Proposal # 2001-C - Office Use Only)

Ρ;	SP Cover Sheet (Attach to the front of ea	ach propos	sal)
Pr	oposal Title: Tuolumne River Mining	Reach R	Restoration No 3 - Warner - Deardorff Segment
ΑĮ	oplicant Name: Iurlock Irrication	Distac	+
Cc	ontact Name: Wilton B. Fryer	P.E.	
	ailing Address: PO Box 949 , Turla		95381
	lephone: 209-883-831 6		
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	nail: wbfryer@tid.org	· · · · · · · · · · · · · · · · · · ·	
Ar	nount of funding requested: \$_6,877,00	Ò	
So	me entities charge different costs dependent	on the son	rce of the funds. If it is different for state or federal
fui	nds list below.		and of the fands. If it is different for state of federal
Sta	ate cost 3, 501, 000	Fede	ral cost 3, 336, 000
		2 000	
Co	st share partners?	X	Yes No
Ido	entify partners and amount contributed by each	ch Cal F	ed 3,501,000 OSFWS-AFRP 3,376,000
TI	D 90,000		
In	dicate the Topic for which you are applying	g (check	only one box).
	Natural Flow Regimes		Beyond the Riparian Corridor
	Nonnative Invasive Species		Local Watershed Stewardship
	Channel Dynamics/Sediment Transport		Environmental Education
	Flood Management		Special Status Species Surveys and Studies
	Shallow Water Tidal/ Marsh Habitat		Fishery Monitoring, Assessment and Research
	Contaminants	_	Fish Screens
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W	nat county or counties is the project located is	n? Sta	Michaus
	in the project reduced in		-11.5 (0.00)
W	hat CALFED ecozone is the project locate	d in? See	attached list and indicate number. Be as specific as
DO:	ssible Zone 13	u III. See	attached list and indicate number. De as specific as
Ind	licate the type of applicant (check only one b	ox).	
	State agency	ολ). □	Federal agency
	Public/Non-profit joint venture		Non-profit
	Local government/district		Tribes
	University		
_	Other:	Ų	Private party

Indicate the primary species which the proposa		
San Joaquin and East-side Delta tributaries fa	all-run c	hinook salmon
□ Winter-run chinook salmon		Spring-run chinook salmon
□ Late-fall run chinook salmon		Fall-run chinook salmon
□ Delta smelt		Longfin smelt
□ Splittail		Steelhead trout
□ Green sturgeon		Striped bass
□ White Sturgeon		All chinook species
□ Waterfowl and Shorebirds		All anadromous salmonids
□ Migratory birds		American shad
□ Other listed T/E species:		·
Indicate the type of project (check only one bo	x):	
□ Research/Monitoring	Ó	Watershed Planning
□ Pilot/Demo Project	□	Education
■ Full-scale Implementation		
Is this a next-phase of an ongoing project?	Yes	No No
Have you received funding from CALFED before?	Yes_	No No
If yes, list project title and CALFED number Mining	Reach	7/11 -97-MO9 MS Ruddy - Pending USBR # W/AFRP
Have you received funding from CVPIA before?		
If yes, list CVPIA program providing funding, project ti	tle and C	VPIA number (if applicable): (AFRIP FUUDS)
7/11-# 1440-11772-97-1189. 41 0006	(#1	1332-9-1025 (this will cover both AFEP & CUPIA USBR Funds)
1/11 -#1-1-10-11335-11 (101, 711 1100E	, 7	(1880 Runds)
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By signing below, the applicant declares the follow		ol:
The truthfulness of all representations in the The individual similar the form is entitled to	ii propos	di, o application on habalf of the applicant /if the applicant is an
	Submit th	e application on behalf of the applicant (if the applicant is an
entity or organization); and	and and i	indenteed the conflict of interest and confidentiality
• The person submitting the application has re	au anu u	inderstood the conflict of interest and confidentiality
discussion in the PSP (Section 2.4) and war	ves arry a	and all rights to privacy and confidentiality of the proposal on
behalf of the applicant, to the extent as prov	idea iii ü	le Section.
Wilton B Fryer		
Printed name of applicant		
		·
Certen & Royer		
Signature of applicant		

TUOLUMNE RIVER MINING REACH RESTORATION PROJECT No. 3 -- WARNER-DEARDORFF SEGMENT

EXECUTIVE SUMMARY

APPLICANT: The Turlock Irrigation District, as a California irrigation district, is a political subdivision of the State of California and a tax-exempt public agency.

CONTACT: Wilton Fryer 209-883-8316; FAX 209-656-2143; e-mail: wbfryer@tid.org

PARTICIPANTS: Tuolumne River Technical Advisory Committee (TRTAC) made up of the Turlock Irrigation District (TID), Modesto Irrigation District (MID), City & County of San Francisco (CCSF), California Dept. of Fish & Game (CDFG), and the U.S. Fish & Wildlife Service (USFWS). Collaborating stakeholder groups with TRTAC are the Tuolumne River Preservation Trust, Friends of the Tuolumne, California Sports Fishing Protection Alliance, Bay Area Water Users Association, East Stanislaus Resource Conservation District, National Marine Fishery Service (NMFS), and local mining operators and landowners in project area.

PROJECT COST: Total cost \$6,877,000. Funding requested from CALFED \$3,501,000. Cost sharing for the balance with USFWS through the CVPIA-AFRP and TID, MID, and CCSF providing funds through the TRTAC.

LOCATION: Ecological Zone 13. The overall Mining Reach project involves a 6.1 mile reach (River Mile 34.2 to 40.3) of the lower Tuolumne River below La Grange Dam. This is the third of four segments being reconstructed in the Mining Reach from River Mile 35.2 to 36.5.

BIOLOGICAL & ERPP OBJECTIVES: 1. Restore and increase habitat conducive to natural production of San Joaquin fall-run salmon. 2. Reconstruct natural channel geometry within a 500 foot wide riparian floodway scaled to current channel forming flows that allow active fluvial processes to maintain the restored aquatic habitat. 3. Restore native riparian plant communities within their predicted hydrological regime. 4. Reduce salmonid fish predator habitat.

MONITORING PLAN: A project specific monitoring plan was developed as part of the mitigation measures in the EA/IS prepared for this project and it is designed to compliment the overall river wide monitoring program in the EIS for the FERC Settlement Agreement and Order for the Don Pedro Project. The basic components of the Mining Reach monitoring plan are:

1. Physical habitat changes: Pre and post construction changes will be recorded to assure that the desired channel contours and cross sections were built as designed and to assess geomorphological changes after major flood events.

2. Riparian habitat changes: Revegetation will require annual inspections during the first few years to confirm survival of planted materials and perform replanting if deemed necessary, followed with periodic assessment of natural changes in the vegetation mix.

3. Fish population changes: This will involve evaluation of pre and post project habitat conditions for both fish predators and salmon. Monitoring criteria would include items such as flow velocity, temperature, transit times through the stream channel, and sampling or observations of fish populations and spawning riffle conditions.

TUOLUMNE RIVER MINING REACH RESTORATION PROJECT PROJECT NO. 3--WARNER-DEARDORFF SEGMENT

I PROJECT DESCRIPTION

A. PROBLEM STATEMENT

The fall run chinook salmon in the tributaries of the San Joaquin River are currently listed as a species of concern by the USFWS. The Tuolumne River is the largest tributary of the San Joaquin River and the Don Pedro Project is the largest reservoir located above the fall-run chinook salmon spawning reach on the Tuolumne River. Don Pedro Reservoir is owned by the TID and the MID and is licensed by the Federal Energy Regulatory Commission (FERC). Anadromous salmonid populations in the lower Tuolumne River require adequate ecosystem health to achieve and sustain their potential productivity. Restoring and maintaining dynamic geomorphic processes are crucial for insuring healthy river ecosystems with natural productive salmonid populations. Complete restoration of a river ecosystem is infeasible for alluvial rivers regulated by large dams. Limiting factors, such as limited available spawning riffles and associated habitat, periodic entrapment of juvenile salmon in mining pits during high river flows, sediment management, etc., must be identified for prioritizing actions that would best improve the ecosystem, particularly salmonid habitat.

The Tuolumne River Technical Advisory Committee (TRTAC) was formed under the auspices of the 1995 Don Pedro Project Settlement Agreement (FERC License No. 2299). The TRTAC has goals that include restoring instream aquatic habitat and shaded riverine aquatic habitat for the primary benefit of San Joaquin fall-run chinook salmon in the Tuolumne River below La Grange Dam. To help guide their actions and those of others planning restoration projects, the TRTAC has developed a "Habitat Restoration Plan for the Lower Tuolumne River Corridor". This Habitat Restoration Plan details the science behind an integrated, long-term fish and riparian habitat restoration and monitoring program that utilizes adaptive management for enhancing the natural production of salmon in the Tuolumne River below La Grange Dam. The TRTAC and the AFRP have each funded \$117,5000 towards developing this science based integrated restoration plan. An initial public out reach meeting was held with local City of Modesto and Stanislaus County public works and planning staffs in December of 1998. Adoption of a final plan was completed in March 2000. The Plan divides the river into four basic reaches with 14 segments representing where specific types of restoration projects could be applied within each reach. Some of these projects focus on restoration of geomorphic processes, others on riparian restoration and predator reduction, and still others deal with gravel reintroduction, cleaning, and sediment management.

The Tuolumne River supports a population of fall-run chinook salmon, whose numbers have fluctuated from 40,000 fish in 1985, to a low of 100 fish in 1991, and is on another upward swing with 7,000 spawners in 1997, 8,900 in 1998, and 7,900 in 1999. One of many stressors identified in recent studies on the Tuolumne River that limit salmonid populations are the aggregate extraction pits, which are a byproduct of extensive in-stream and off-channel mining.

Many of these instream and off-channel pits have negatively impacted salmonid populations by stranding juveniles in ponds and fostering large populations of non-native predator fish (bass). Additionally, spawning and rearing habitats have been negatively impacted by either complete removal during aggregate extraction, degradation by channel encroachment from dikes along mining pits, or fine sediment infiltration. Many of the off-channel pits had a small topsoil berm separating them from the river. Common floods (e.g., 1983, 1986, 1995, & 1998) of less than 11,000 cfs have breached some of these brims resulting in entrapment of salmon fry and smolts. In addition, the January 1997 flood (estimated at 59,000 cfs) breached nearly every berm in the Mining Reach. This resulted in six miles of channel capture through the aggregate pits starting with the 7\11 Aggregates plant and breaching the berms at downstream aggregate mining operations. Aggregate miners completed emergency repairs to separate most of the ponds from the Tuolumne River and placed the river back into its narrow pre-flood channel in the fall of 1997. However, most of these emergency repairs are only a temporary solution, as shown by the breach of the Warner-Deardorff Segment dike in 1998 at flows of less than 7,000 cfs.

B. CONCEPTUAL MODEL & EXPECTED PROJECT BENEFITS

The floods of January 1997 provided a unique opportunity during the development of the Habitat Restoration Plan to design a 6.1 mile model riparian habitat floodway with a system of setback dikes. The ecological benefits of a restored floodway, with increased flood capacity that provides a long-term flood protection to the mining operators in this reach and capacity for a more variable flood flow regime, presents an opportunity with common objectives among the Districts, landowners, mining interests, and restorationists. The goals of the Mining Reach Projects are to restore riparian habitats and salmonid habitats with a continuous riparian floodway through this 6.1 mile reach of the Tuolumne River between river mile 34.2 and 40.3. These objectives include:

- 1. Improve salmonid spawning and rearing habitats by restoring an alternate bar (pool riffle) morphology, restoring spawning habitat within the meandering channel, and filling inchannel mining pits;
- 2. Improve juvenile salmon survival by preventing future connection between the Tuolumne River and off-channel mining pits;
- 3. Restore native riparian communities on appropriate geomorphic surfaces (i.e., active channel and floodplain terraces) within the restored floodway;
- 4. Restore habitats for special status species (e.g., egrets, ospreys, hawks, and herons);
- 5. Restore and improve isolation of off-channel aggregate extraction pits that were connected to the Tuolumne River by the January 1997 flood;
- 6. Restore a fully vegetated riparian floodway width that will safely convey regulated flood flows up to 15,000 cfs;
- 7. Allow the river channel the ability to migrate within the restored floodway to improve and maintain riparian and salmonid habitat;
- 8. Remove floodway "bottlenecks" created by inadequate mining pit berms that are subject to failure at threshold flows, thus protecting aggregate extraction operations and other human structures from future flood damage.

C. HYPOTHESES & STRATEGY

The Habitat Restoration Plan identified 10 attributes of river system integrity that when in balance will provide for a dynamic riverine ecosystem. These attributes form the basis for the design objectives outlined above that will be used in the restoration and monitoring of the riparian floodway channel in the Mining Reach projects. The attributes are as follows: 1. Spatially complex channel shape, 2. Variable streamflow patterns, 3. Frequently disturbed riverbed surface, 4. Periodic riverbed scour and fill, 5. Balanced fine and course sediment volumes, 6. Periodic channel migration and/or avulsion, 7. A functional floodplain, 8. Infrequent channel resetting floods, 9. Self-sustaining, diverse riparian corridor, and 10. Naturally fluctuating groundwater table.

D. ADAPTIVE MANAGEMENT

Monitoring and related fishery studies on the Tuolumne by the Districts and DFG since construction of the Don Pedro Project in 1971 have formed the basis for refining information on the stressors impacting fall run salmon and the types of restoration projects that should benefit the Tuolumne. The 4-Pumps program funded a small scale inchannel project on reforming riffle pool sequences in the upstream MJ Ruddy Reach. This restoration work was destroyed in the 1997 floods. Design lessons from that project have been incorporated into the larger scale designs of the current projects. Intended fluvial processes did occur at the bank full flows of 4,500 cfs that will be found in the current project. Limited revegetation success occurred in the 4 Pumps project area. The revegetation plan has been expanded and refined based on the lessons learned. Vegetation module types will be planted to better match the benches and zones associated with channel morphology. Topsoil will be incorporated in higher benches to provide an improved soil matrix for early survival.

II PROPOSED SCOPE OF WORK

A. LOCATION

The overall Mining Reach project in Ecological Zone13, East San Joaquin Basin covers a 6.1 mile length of channel and is located on the lower Tuolumne River, between river mile 34.2 and river mile 40.3, approximately 23 miles east of Modesto in Stanislaus County shown in Figure 1. This PSP covers Mining Reach Project No. 3 Warner-Deardorff Segment between river mile 35.2 and 36.5. The project location on the Tuolumne River is shown in Figure 2 with GPS center point at California coordinate 83 datum zone 3 2059208.93 Northing & 6508914.0 Easting and USGS location in Sections 29 & 30 R12E T3S MDB&M. Aerial photos of the Mining Reach project outline the extent of the project and the relationship to the surrounding land uses.

B. PROJECT DESCRIPTION AND APPROACH

The TRTAC has identified as a high priority project the restoration of a 6.1-mile reach of

the Tuolumne River damaged in the January 1997 floods. This is called the "Mining Reach" because active sand and gravel-mining operations exist within this reach of the river. On behalf of the TRTAC, the firm of McBain & Trush developed the project concept design in 1997 for the proposed habitat restoration work based on geomorphology and fluvial processes in a reforested riparian floodplain. The restoration activities for the four respective Mining Reach segments are shown in the attached Figures 8 to 11 from the EA/IS documentation for the project. The Mining Reach restoration can also be seen as a demonstration project to test the effectiveness of the proposed restoration project design and work and the feasibility of performing similar type fish and riparian habitat restoration work in other rivers and streams within the Central Valley.

The Mining Reach project will return this 6.1 mile reach of river to a more natural, dynamic channel morphology that will improve, restore and protect instream aquatic habitat and shaded riverine aquatic habitat for San Joaquin fall-run chinook salmon productivity and will help restore natural hydrological and geomorphic processes. Portions of the 6.1 mile long reach will be widened and reformed into a 500 foot wide riparian floodplain recreating a riffle and run pattern that would follow the restored meander channel of the river. Native vegetation will be planted on restored river terraces in a mix similar to that found on undisturbed segments of the river. The riparian reforestation is intended to provide food and shade for juvenile salmon. Terrestrial species will also benefit from a more continuous corridor of riparian habitat in the restored areas. The wider river channel will allow channel meander to provide a sustainable and dynamic river morphology, i.e., flood flow-related channel-bed movement with periodic scour, that partially or fully restore the processes associated with natural salmon production and survival.

The Mining Reach project is divided into four segments for the purpose of constructing manageable sized pieces and to allow adjustments in design based on prior year construction experiences. The CEQA / NEPA mitigated EA/IS for all four segments has been funded by available USFWS-AFRP funds with a TID-MID-CCSF contribution towards permitting costs. AFRP and CALFED have funded design, construction, revegetation, and monitoring for first two segments and preliminary design for this segment. As a result of the Mining Reach Projects, the channel capacity in the project area will increase from 7,000 cfs to 15,000 cfs, the maximum regulated flow that can be released from Don Pedro Reservoir. The sequence of segments to be constructed and the associated source of funding are intended to allow finished work to remain structurally sound against a designed flood event of 15,000 cubic feet per second in case subsequent funding is delayed or not forthcoming. The McBain & Trush concept design for the Mining Reach is intended to tie into the downstream Reed restoration project designed by DFG and funded by the 4-Pumps program that was originally scheduled for construction in 1997.

This proposal seeks CALFED funding sources available after October 2000 (FY2001) for the third portion of the Mining Reach restoration work known as Project 3, Warner-Deardorff Segment. This project is a continuation of the Mining Reach project construction currently funded by AFRP and CALFED. Follow-on proposals for CALFED funding will be submitted for the forth segment of the Mining Reach Project. Currently AFRP has funded pre-construction; project specific monitoring started in the spring of 1998. Construction in the 7/11 Segment is

anticipated to start in the summer of 2000. Permitting, construction design, and acquisition of conservation easements for the upstream MJ Rudy Segment will start in mid 2000 under existing AFRP and CALFED contracts. Construction of the upstream MJ Ruddy Segment is anticipated to start in June 2001.

Project No. 3, Warner-Deardorff Segment restoration, would start in the summer of 2000, with preliminary permitting and construction design work performed during the summer and fall of 2000, using funds included in the MJ Ruddy Segment. With funding from this PSP final design, permits, and conservation easements will be acquired from spring 2001 to spring 2002 with construction starting in spring 2002. This project ties into the permanent floodplain channel reconstruction at the downstream end of the setback dike work constructed in the MJ Ruddy Segment. The setback dikes will require significant quantities of imported materials to fill in deep pit areas created by past gravel mining, but this will re-create a riffle and run pattern that follows the restored meander channel of the river. In addition the project will need to purchase significant quantities of aggregate mineral rights under the old existing mining permits that encroach into the river channel. The floodway channel will be reformed into a 500-foot wide riparian floodplain complete with native vegetation in a mix similar to that found along undisturbed segments of the Tuolumne River. The bank full channel will be hydraulically sized (4,500 cfs) using currently regulated flows to be an active riverine channel with full-grown riparian vegetation. These regulated flows periodically could reach as high as 15,000 cfs for short periods. It is anticipated and planned that during such high flow events there will be some movement of the channel within the flood plain to expose added spawning materials and clean existing spawning gravels. To minimize long term future maintenance expenditures, this restoration work is being designed with the intent to provide a self maintaining riparian floodway channel once the revegetation is completed and established.

C. MONITORING PLAN

A detailed mitigation and monitoring program was developed with the project EA/IS. Tables 1 and 2 developed from the EA\IS summarize the basic monitoring program over the life of the restoration project. Table 3 outlines the monitoring and data collection that will used to track the activities. The monitoring activities can be grouped into three basic areas.

1. Physical & Geomorphic Processes:

Pre and post construction changes will be recorded from the as-built engineering drawings. This assures that the desired channel contours and cross sections were built as designed and these as-built records can be used to assess future geomorphological changes after major flood events. Tracer rock studies will be used to monitor bedload movement.

2. Riparian habitat:

Revegetation will require annual inspections during the first few years to confirm survival of planted materials, perform replanting if deemed necessary, and to assess natural changes in the vegetation mix. Monitoring vegetation would then be reduced to

evaluations after significant flood events. The layout of hexagonal planting modules is designed to facilitate monitoring because the center point for any "hex" can be relocated at a later date from the as-built drawings to allow for post project monitoring. There are 20 different hexagonal planting units classed by predominant vegetation type. These planting units are grouped together to recreate the diverse mosaic patches and strings of vegetation found on undisturbed areas of the Tuolumne.

3. Fishery Resources changes:

This will involve evaluation of pre and post project changes in habitat conditions and populations for both fish predators and salmon. Monitoring criteria would include items such as flow velocity, temperature, comparisons of estimated transit time through the old vs. new stream channel, combined with sampling observations of fish populations and spawning riffle conditions.

Pre project monitoring started in 1998 to provide two seasons of baseline conditions for project evaluation. Bedload transport sampling was conducted in March 2000 under separate TRTAC funding and the results will be applied to refining the physical process monitoring. Post project monitoring will start after the completion of the 7\11 Segment and increase as more segments are restored. Generally the project funded monitoring for a given segment will extend for 2 years after the completion of construction and revegetation. The project specific monitoring was designed to compliment the fishery monitoring requirements of the FERC Settlement Agreement. Annual monitoring summaries will be provided to the TRTAC.

The first level of peer review for monitoring comes from the biologists that make up the regular representation on the TRTAC. There is a monitoring subcommittee of the TRTAC charged with close technical review of the FSA and project specific monitoring. Stillwater Sciences provides technical design of monitoring programs and statistical analysis of the results. At the request of the TRTAC, the UC Davis Centers for Water and Wildland Resources prepared a peer review evaluation of competing fry and smolt survival methods currently used on the Tuolumne River on 18 December 1998.

D. PROJECT SCHEDULE

The attached project timeline shows the schedule of major activities for the Warner-Deardorff Segment in relation to the four Mining Reach Projects and the two SRP projects. Preliminary design and permitting work will start on this project in June 2000 as part of the design and permitting already funded for the upstream MJ Ruddy project. This PSP will fund final design and ROW acquisition in 2001and construction starting in spring 2002.

E. IMPLEMENTABILITY

This is the fourth of several restoration projects being proposed for the Tuolumne River based on the Habitat Restoration Plan developed by the TRTAC. The staff will continue to work closely with the affected landowners and mining operators in the development of site specific

adjustments during the design phase to create final plans. The firm of EDAW, Inc. was hired to assist with the CEQA, NEPA, and permitting work. The NEPA work was jointly prepared with the USFWS and coordinated with the AFRP program. A mitigated EA/IS was jointly developed between TID, as project manager & lead agency, and the USFWS as a Federal funding agency. The EA/IS was tiered off the 1995 EIS for the FERC Settlement Agreement for the Don Pedro Project. Public and agency comments were heard in July and August 1998 and the comments focused on economic issues of compensation for conservation easements and lost availability of aggregate supplies. No environmental comments were received. An addendum to the proposed mitigation measures addressing the comments received was finalized and adopted in June 1999 and is listed as State Clearing House #98052070. The mitigation is designed to avoid a take of listed species such that take permits under ESA \ CESA should not be required. A programatic Section 7 consultation process was started with USFWS for the 7\11 Segment regarding elderberry that will apply to all four segments in the Mining Reach. The riparian planting plans include modules of elderberry within the floodway.

The reconstruction work in the flowing water of the river with heavy equipment is anticipated to be limited for fishery reasons to an annual opportunity window of 90 working days from June through September of each season when the salmon are not as abundant in the river. Construction out of the water will occur throughout the year with appropriate erosion control measures. The restoration plantings are also seasonally restricted to the winter months when planting materials are dormant. Construction design, revegetation design, permitting, monitoring, and acquisition of conservation easements are being done for the each segment of the Mining Reach as funding becomes available. Construction and revegetation funding will also be requested for each separate project segment. The funding requests may be divided among different construction, revegetation, and monitoring tasks of the project for ease of tracking and administering differing funding sources.

Some of the dike and reconstruction materials are anticipated to be mined from existing tailings deposits that are located at the upstream end of the mining reach and are regulated under County use permits. One benefit of using these tailings is that it may be possible to restore additional floodplain habitat during the mining of these excavation areas. Significant quantities of materials will be purchased from existing active mining areas on the backside of the setback levees to reduce haul costs. If most of the materials are locally available they can be hauled to the project site on private roads, so the impact on public roads should be minimized. The project EA/IS identified and addressed mitigation for utilization and transportation of the various sources of restoration materials locally available for this project. Additional materials for the major setback levees may need to be imported into the site. There are additional deposits of dredger tailings along the Tuolumne River and near Snelling along the Merced River. We have an option to utilize some of the clean rock materials from January 1997 flood debris excavated from La Grange reservoir.

Creation of the riparian floodway habitat zone by the setback dikes will require the longterm maintenance of project improvements. TID and MID will jointly hold conservation easements from willing sellers that protect the public investment, but at the same time protect the land owner's property and water rights. The finalization of the EA\IS required resolution of the complex compensation issues involved with the acquisition of the conservation easements in the Mining Reach, starting with the 7\11 Segment. The terms of the District's control of the conservation easements has taken time to resolve with the landowners due to their concerns over potential liability and public access to their land. Perpetual maintenance of easement facilities will be by the Districts and will tie to revisions in portions of the reclamation plans that are a part of the County Use Permits issued to the mining companies. Figure 3 shows in a cross section typical easement elements that are involved in the ROW issues. The landowners have agreed to the same process for easements in all four segments in the Mining Reach.

The following is a list of the agencies and associated permits to be acquired with the assistance of the firm EDAW in each of the four Mining Reach Project segments.

- 1) A Nationwide 27 Permit from the USACE, including a 404 wetlands delineation.
- 2) A1600 Series Streambed Alteration Agreement from CDFG.
- 3) A Mining Lease and Boundary Delineation finding from the State Lands Commission.
- 4) Modification of the Stanislaus County use permits for the mining operations.
- 5) A RWQCB 401 Water Quality Permit.
- 6) An Encroachment Permit from the Reclamation Board.

The four maps, Figures 8 through 11 from the EA/IS, show how the typical design and restoration treatments are integrated within the entire Mining Reach Project. The project starts at the upstream end with the 7-11 Reach (RM. 37.6-40.3), then the M. J. Ruddy Reach (RM. 36.5-37.6), followed by the Warner-Deardorff Reach (RM. 35.1-36.5), and finishing with the Reed Reach (RM. 34.2-35.1).

Mining Reach Monitoring Elements: schedule based on a sequence of hypothesized flows. **TABLE 1**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hypothetical annual peak discharge in cfs	arge in cfs	3650	7280	2980	1200	10400	8010	6870		
	1									
CONSTRUCTION	PHASE	PHASE II	PHASE III	PHASE IV						
MONITORING ELEMENTS										
PHASE										
GEOMORPHOLOGY	g	ab,rx	<u>د</u>	n, rx, xs, thal		rx*, xs, thal	xs, thal	xs, thal	thal	
FISHERIES	map	map, sss	Sss	SSS	SSS	Sss	SSS	#SSS		
RIPARIAN		ab, pp, \$	bio, \$	dd	dd	Bio		'dd	bio	
PHASE II										
GEOMORPHOLOGY	0.	qd	a	ab, n, rx, thal		rx*, xs, thal	xs, thal			
FISHERIES		map	map, sss	SSS				#sss		
RIPARIAN			ab, pp, bio, \$	ક્ર	dd	oid ,qq	bio		pp, bio	
PHASE III										
GEOMORPHOLOGY	qd			ab, rx, thal	thal	rx*, n, xs, thal	xs, thal	xs, thal	thal	
FISHERIES			Map	map, sss	SSS			#sss		
RIPARIAN				ab, pp, \$	s	pp, bio	pp, bio	oid	dd	
PHASE IV	:									
GEOMORPHOLOGY			Pb		ab, rx	rx*, xs, thal	n, xs, thal	xs, thal	thal	
FISHERIES				map	map, sss	Sss		#sss		
RIPARIAN					ab, pp, \$	\$	dd	dd	0	dd
									-	

annual spawning and seining surveys; # denotes that spawning surveys will occur annually by CDFG Riparian symbols: pb = pre-built vegetation; ab = as-built vegetation; pp = project performance plots; bio = bioengineered bank protection; \$ = last year of irrigation Geomorphology symbols: pb = pre-built channel topography; ab = as-built channel topography; n = Manning's "n" hydraulic calculation; rx = bed mobility with tracer rocks; thal = channel vertical adjustment with thalweg profile; xs = channel planform adjustment with cross-section profiles; * bed mobility observed; Fisheries symbols: ef = bass abundance by electrofishing; sv = smolt survival estimate; map = habitat mapping; sss =

12 May 2000

Estimated costs for Mining Reach Monitoring using hypothesized monitoring schedule. **TABLE 2**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MONITORING BUDGET										
Geomorphic Processes	1,600	6,700	31,80	8,000	8,700	107,200	71,100	53,500		
Fisheries Resources	5,400	14,900	17,000	19,100	19,000	9,400	4,200	2,100		
Riparian Resources		009'6	11,800	18,900	27,900	21,600	22,200	29,800	10,400	9,600
Annual Report	4,500	5,400	2,600	6,100	3,700	9,100	7,000	4,800	1,000	200
Annual Total	11,500	36,600	68,200	52,100	59,200	147,300	104,400	90,200	11,400	10,100
Cumulative Total	11,500	48,100	116,300	168,400	227,600	374,900	479,300	569,500	580,900	591,000

AFRP - CALFED Project Monitoring Plan Summary **Turlock Irrigation District** TABLE 3

Tuolumne River -- Warner / Deardorff Segment of Mining Reach Project:

12 May 00

Summary of Ecological & biological objectives, hypotheses, and monitoring parameters and approaches:

1) Objective: Restore and increase habita	use habitat for natural salmon production	U	
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Restore alternate bar (pool	Pre vs. post construction and	Measure channel cross sections	As-Built drawing becomes starting
riffle) morphology.	topographic changes.	after construction from as-built	point for fluvial process
		drawings.	monitoring.
B. Restore spawning habitat.	Area of riffles created from	Evaluate use during spawning	
	channel re-construction	period, redd counts, etc.	

2) Objective: Reconstruct a natural channel	al channel geometry scaled to current channel forming flows	t channel forming flows	
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Geomorphological & fluvial	Channel thalweg movement	Measure cross sections after flow	Frequency of occurrence subject
process occur at channel forming		events of predetermined	to random timing of flow events.
flows (approx. 5,000 cfs)		magnitude.	Target three samples.
	Bed load mobility	Monitor movement of tracer rocks,	
		D84 & D50 size, after flow events	
		of predetermined magnitude.	
	Bed load mobility	Take surface pebble counts and	
		subsurface bulk samples to	
		evaluate size distribution.	
	Bed load mobility	Calculate effective Manning's "n"	
		during flow events	
B. Floodway will convey design	Post event channel changes;	Visually inspect after flow event.	Frequency of occurrence subject
flow (15,000 cfs in this reach of	particularly vegetation and project		to random timing of flow events.
the river) without damage.	facilities.		Target three samples.
		To be described by and of	O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Dike Maintenance & Operation	to be developed by end of	Coordinate with County SMARA
	Plan	construction.	reclamation plans

3) Objective: Restore native ripar	Restore native riparian plant communities within their predicted hydrological regime	dicted hydrological regime		_
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments	
A. Composition and distribution of	Survival: 90 % 1st year, 70 % 2nd	Set up permanent plots to track	Plants will be irrigated for year 1 &	
native riparian vegetation can be	year, & 60 % 3 rd year with 10 %	survival. Evaluate vigor, size,	2	
re-established.	increase in cover in same period.	species dominance, canopy		
		coverage, etc.		
B. Establish different plant series	Pre & Post construction vegetation	Up to 20 separate plant series	Protection from beavers will be	
on appropriate reconstructed	mapping.	(landscape types) will be used to	necessary.	
geomorphic surfaces.		re-create plant community		
		diversity within floodplain.		
C. Bio-engineering is effective	Survival of vegetation plantings.	Evaluate vigor, size, species		
bank stabilization		dominance, canopy coverage, etc.		
	Stability of bank	Document changes in bank	Frequency of occurrence subject	
		stability after specified flow events.	to random timing of flow events.	
			Target three samples.	

4) Objective: Reduce salmon fish predator	predator habitat		
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Reduce potential to breach dikes and connect off-channel mining pits to the main river channel.	Pre vs. post project construction changes.	Measure channel cross sections after construction. Using as-built drawings and topographic and photogrametry data.	Proposed setback dikes are wider and higher than current dikes.

12 May 2000

III ECOLOGICAL & BIOLOGICAL BENEFITS

A. ERP GOALS and CVPIA PRIORITIES

The Mining Reach projects address the ERPP objectives and visions for the Tuolumne River Ecological Unit identified on pages 409 & 410 of the ERPP Vol. II. These include restoration of stream & riparian habitat; ecological processes; gravel recruitment, transport, and cleaning processes; a diverse self-sustaining riparian corridor; and predator reduction.

B. RELATIONSHIP TO OTHER ECOSYSTEM RESTORATION PROJECTS

The Warner-Deardorff Segment is the third of four segments in the 6.1 mile long Mining Reach Project. Downstream at river mile 25.1 to 26.0 the TRTAC is sponsoring two predator isolation projects, SRP 9 & SRP 10. Construction of SRP 9 is planned to begin in June 2001. These involve refilling inchannel-mining pits to reduce the lake-like bass habitat and returning the channel to a pre mining riffle pool sequence. Upstream near La Grange the DFG has a multiphase gravel introduction project that started in 1999. The AFRP has funded development of a long-term sediment management plan for this area. Downstream of the SRP projects there are riparian habitat projects like the Grayson River Ranch sponsored by the Friends of the Tuolumne and funded by AFRP and NRCS. These projects are linked by the following overall restoration concept. Improvements in spawning conditions in the upper reach of the river combined with increased and improved spawning areas and habitat in the Mining Reach area plus reduced predation in the SRP areas will result in higher and more stable levels of natural fall-run salmon production.

D. PRIOR CALFED-AFRP FUNDING

The AFRP, CALFED, and the Districts have funded the two upstream segments, 7\11 and MJ Ruddy, of the four part Mining Reach Project starting in September 1997. Total authorization to date is \$13,590,000.

IV APPLICANT QUALIFICATIONS

Since 1971, TID, MID, and CCSF have, in cooperation with DFG and USFWS, monitored river conditions and developed programs that enhance the natural production of fall-run chinook salmon in the Tuolumne River. The project manager for these activities has been TID.

A. TRTAC and Other Local Support for Project

The firm of McBain & Trush was retained in 1996 by TID through the TRTAC to develop an integrated, long-term salmon and riparian habitat restoration plan for the Tuolumne River below La Grange Dam using fluvial geomorphology principles. They prepared preliminary designs for specific restoration projects, which had been approved by the TRTAC participants as high priority projects. The Mining Reach had long been identified as a portion of the river that had been substantially altered by past and present aggregate mining operations. In the aftermath of the January 1997 flood, the TRTAC participants identified the 6.1 mile long flood-impacted Mining Reach as an important time-sensitive opportunity to reconstruct this portion of river channel to restore more natural geomorphic processes and riparian forest conditions.

B. Project Management

The Program Manager is Wilton Fryer, P.E. Mr. Fryer graduated from the University of California at Davis with a BS in Soil & Water Science, an MS in Irrigation Science, and later an ME in Civil Engineering with an emphasis in water resources. He is currently registered as both a Civil Engineer and an Agricultural Engineer. Accomplishments: Development and implementation of the Oakdale Irrigation District Irrigation Master Plan. Directed a \$22 million canal rehabilitation project for OID where 54 miles of dirt canals were replaced with pipe. Development of the OID domestic water service system. Designer and project manager for a replacement water treatment plant for the TID La Grange Domestic Water System. Restoration program manager for TID since July 1996.

Tim Ford has been the staff aquatic biologist for both TID and MID since 1981. Mr. Ford graduated from the University of California at Davis with BS in Wildlife & Fisheries Biology in 1977. He worked as a Biological Technician for the Modoc, Tahoe, and Stanislaus National Forests prior to working for the Districts. Mr. Ford is tasked with planning, coordinating and conducting the aquatic resources program for the Districts, and his responsibilities at TID include field studies, monitoring programs, program development, consultant supervision, and coordination with Don Pedro project operations.

TID staff will provide contracting support and financial service support as needed. Consultants retained during the first phase of the Mining Reach and SRP 9 projects continue to be retained for subsequent phases of the projects to insure continuity in the design and analysis. The engineering firm of HDR, Inc. has been retained to prepare detailed construction plans and

specifications, assist with project management and oversee construction management. The firm of HART, Inc., will provide revegetation design and native plant materials. The firm of EDAW Inc. has been retained to perform the CEQA and NEPA environmental work, prepare biological surveys, and to obtain necessary permits.

C. Consultants

The firm of McBain & Trush has performed project concept design work, and will continue to provide oversight of the civil construction design work, revegetation design and implementation, and fluvial process monitoring. McBain & Trush is a professional consulting partnership specializing in applying fluvial geomorphic and ecological research to river management and restoration, particularly in regulated river ecosystems. The principals on this project are Scott McBain, Dr. William Trush, and John Bair. Scott McBain is a hydraulic engineer and fluvial geomorphologist with an MS in Civil Engineering from the University of California at Berkeley. He specializes in effects of high stream flows on channel morphology, bedload transport, watershed sediment yields, and stream restoration. Dr. William Trush is an adjunct professor in the California State University Humboldt (CSUH) Fisheries Department, specializing in anadromous fish ecology, anadromous fish interactions with fluvial geomorphology, channel maintenance flows and hydrology, riparian ecology, and stream restoration and management. He is also Director of the CSUH Institute for River Ecosystems. John Bair is a riparian botanist with an MS in Environmental Systems from CSUH. He specializes in riparian interactions with geomorphic processes and riparian restoration.

The firm of Stillwater Sciences has been retained to assist with the design and implementation of the fishery monitoring plan components. Stillwater Sciences is actively involved with the river wide monitoring associated with the Districts' FERC Settlement Agreement.

V COSTS AND SCHEDULES

A. BUDGET COSTS

The total project cost is estimated to be \$6,877,000. The CALFED is being asked to fund 51% of the costs for Project No. 3 Warner-Deardorff Segment of the Mining Reach projects. The total amount being requested from CALFED is \$3,501,000, consisting of \$1,300,000 for mineral rights purchases, \$1,665,000 for setback levee construction and floodplain reconstruction, \$150,000 for construction management, \$89,000 for project management, with a \$297,000 construction contingency. The USFWS-AFRP is being asked to fund 48% of the project, or \$3,336,000; including \$960,000 for mineral rights, \$530,000 for construction, \$595,000 for revegetation, \$479,000 for engineering and permits, and \$180,000 for project monitoring. The Districts will be contributing \$40,000 to the monitoring and permitting costs. The project budget summary is shown in Table 4 and Table 5 shows the funding break down by source. The quarterly funding estimates are shown in Table 6.

The estimated costs for mineral rights purchases stem from pre SMARA Stanislaus County Use Permit #1211 for aggregate mining issued in 1965 and modified in 1973 that covers the project area. There is not an active contract to mine under this permit. It is not certain at this early stage in the project if current regulatory setbacks and other restrictions can be made to apply to this old permit. The mineral rights cost estimates for this project assumes that the bulk of the material, approximately 1,400,000 cubic yards, would NOT be subject to these regulatory restrictions and are purchased at market costs. To the extent that the current regulatory restrictions do apply, then the reduced volume of the aggregate valued as a commercial reserve could decrease the project cost. There are cost uncertainties due to demand on construction materials. Market costs for in-place aggregate have risen 20%, from \$4 per ton to \$5 per ton, in the past year.

TABLE 4 PROJECT BUDGET SUMMARY

Tuolumne River Mining Reach Restoration

Warner-Deardorff Segment RM. 36.6 to 35.2

Construction	Description of work		Cost	Option by
Task from		•	Estimates	Fund source
M&T Figure 10				
-				
Phase 3A	Bio-engineering		230,000	AFRP
	Regrade Bank		20,000	CALFED
	Revegetate Bank		24,000	AFRP
Phase 3B	Bio-engineering		300,000	AFRP
	Regrade Bank		178,000	CALFED
	Revegetate Bank		41,000	AFRP
Phase 3C	Setback Dike & Restore Floodplain		1,272,000	CALFED
	Revegetate Bank		155,000	AFRP
	Mineral Rights purchase		960,000	AFRP
Phase 3D	Regrade Floodplain		195,000	CALFED
	Revegetate Floodplain		235,000	AFRP
	Mineral Rights purchase		1,300,000	CALFED
		sub total	4,910,000	_
All Phases	Monitoring (EA\IS plan: 2002 - 2003)		180,000	AFRP
All Phases	Conservation Easements		200,000	AFRP
All Phases	Design Engineering	5%	·	AFRP
All Phases	ROW Engineering	3%	153,000	AFRP
All Phases	NEPA, CEQA, & Permits		40,000	DISTRICTS
All Phases	Irrigation of revegetation		140,000	AFRP
		sub total	969,000	_
All Phases	Contingency	10%	584,000	
All Phases	Construction Management	9%	· ,	
All Phases	Project Management	3%	,	
	·	sub total	998,000	_
•	PROJECT TOTA	L	6,877,000	

18

TABLE 5 PROJECT BUDGET SUMMARY by FUNDING SOURCE

Tuolumne River Mining Reach Restoration

Warner-Deardorff Segment RM. 36.6 to 35.2

Funding Source	Description of work		Cost Estimates	
CALFED Share	Construction	3	34% 1,665	000
	Mineral Rights purchase 3I		26% 1,300	•
		sub tota		
	Contingency	1	10% 297	,000
	Construction Management			,000
	Project Management			,000
	C.	ALFED Total 5	3,501	
AFRP Share	0			
AFRE Share	Construction			,000
	Mineral Rights purchase 30			,000
	Revegetation			,000
	Monitoring			,000
	Conservation Easements			,000
	Design Engineering			,000
	ROW Engineering			,000
	Irrigation of revegetation	10	00% 140	,000
		sub tota	al 2,874.	,000
	Contingency	1	0% 287.	,000
	Construction Management		9% 89	,000
	Project Management		3%86	,000
		AFRP Total 4	3,336	,000
DISTRICTS share	NEPA, CEQA, & Permits		40/	000
=:0111010 5hate				000,
4	ו פוט	ric i S i Otal	1% 40,	,000

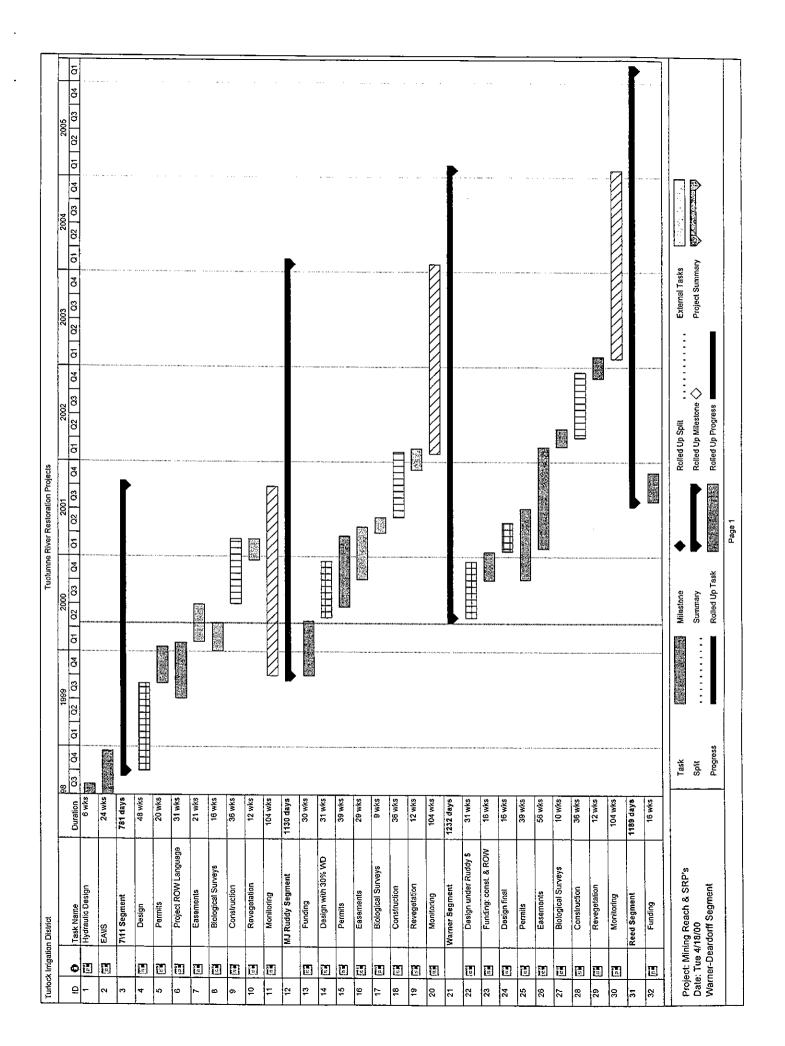
TABLE 6
Warner-Deardorff Segment

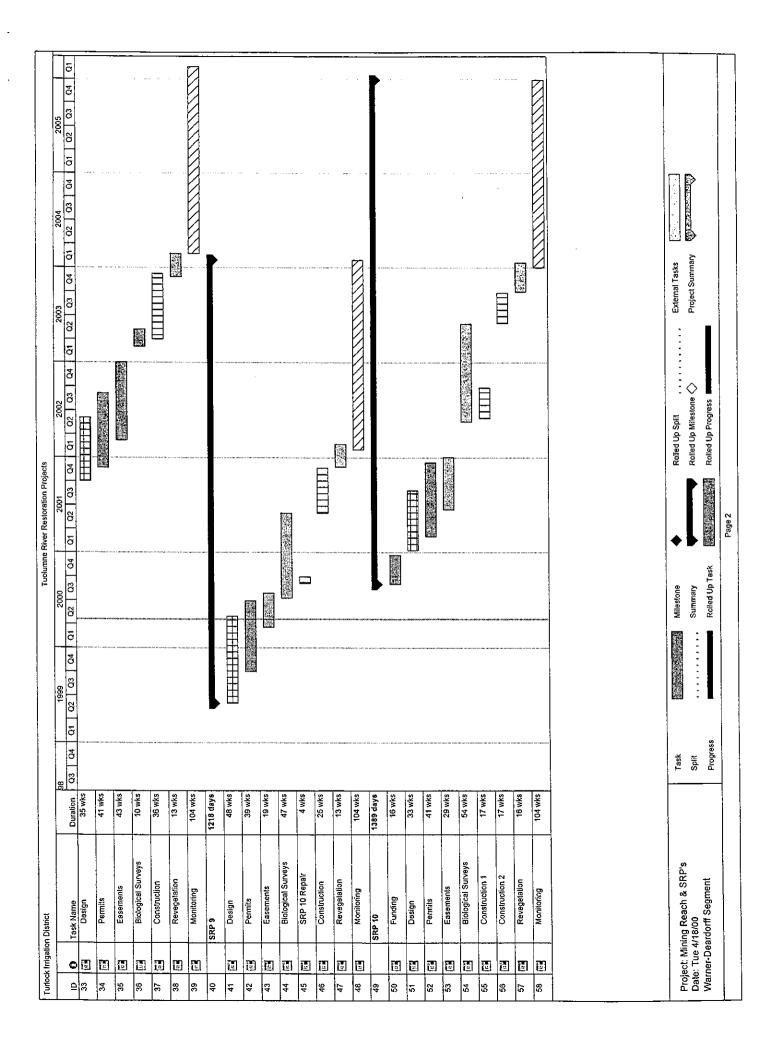
QUARTERLY PROJECT BUDGET ESTIMATES \$1,000's

RM. 3	RM. 36.6 to 35.2													
Task	Description	%	2001			2002				2003		2004		Funding
			2 Otr	3 Qtr	4 Otr	1 Otr	2 Qtr	3 Ofr	4 Qtr	1 Ofr	2,3 Qtr	2,3 Qtr	Estimates	Source
3∆	Bio-engineering		1			15			200	15			230) AFRP
Ś	Dogrado Rank						20						20	CALFED
	Neglade Dallh					*	ì			20			24	
	Kevegetate Bank					t c			C	24 6			300	AFRD
38	Bio-engineering					70	Ċ	1	730	00			710	
	Regrade Bank						30	2	Ω/	3			-	
	Revegetate Bank								,	41			4	
ဗ္က	Setback Dike & FP					199	300	300	300	272			1,272	
	Revegetate Bank					30			52	100			155	5 AFRP
	Mineral Rights				960								096	
5	Redrade FP							75	92	25			195	5 CALFED
3	Revertete FP					35			90	140			235	
	Mineral Rights				1,300								1,300) CALFED
	Sub total	1			2,260	204	350	445	1,008	643			4,910	I.O.
	Monitoring									30	80	70	180) AFRP
				000									200) AFRP
	Easements	ò	000	700									256	3 AFRP
	Design Engineering	2%	2007	•	i								100	ACDD
	ROW Engineering	3%		100	53								55	AFINE PICTOLOTO
	NEPA, CEQA, Permits				40						1	7	5 6	MEDD
	Revegetation Irrigation										0/	2	7	
	Sub total	1	256	300	63					30	150	140	696	œ.
	Contingency	10%			130	10	35	45	47	30			297	7 CALFED
	folio Billion	10%	26	30	105	9			54	38	15	14	287	7 AFRP
	Construction Mat	86	1	3		တ	32	40	43	27			150) CALFED
		%				တ			48	31			88	9 AFRP
	Drainot Management	368			30	m	7	13	14	တ			89	9 CALFED
	Project Mariagement	2 % 0 %	∞	ග	35	က			16	1	5	4	86	<u>S</u> AFRP
	Sub total	;	34	39	306	44	78	98	222	146	20	18	866	lm
			000	330	2 650	248	428	548	1 230	819	170	158	6.882	~
	Figlect Total		2	3	4 -	122	428	543	577	363	•		3,501	_
	AEPED		200	330	1 150	129	į	!	653	456	170	158	3,336	(0
			2007	3	-	ğ)				•	

TID CALFED PSP 2001: MINING REACH No. 3 - Warner-Deardorff

12 May 2000





V LOCAL INVOLVEMENT

A. THIRD PARTY IMPACTS

The parties most directly impacted by the proposed project are the local landowners and the aggregate-mining operators. The TID staff and consultants started working with local stakeholders in 1997 and will continue to meet with the affected stakeholders to listen to and address their individual concerns. Recognizing those individual concerns, the landowners and the mining operators have been cooperative and supportive of the project. Periodic meeting are held with the executive committee of the 35 landowners that will be involved with all six restoration projects the TRTAC has identified, even those not yet funded. Typical discussions at these meeting include restoration project activities, terms and conditions in conservation easements, ROW appraisal processes, USFWS hazardous material surveys, project design issues, etc. The Districts have initiated sending periodic restoration news letters to the land owners in addition to the meeting minutes sent from the land owner committee.

The formal process to acquire necessary conservation easements from willing sellers for the first phase of construction started in February 1999 in the 7/11 Segment of the Mining Reach. The landowners and mining operators have asked that design, ROW engineering, and property appraisals for conservation easements are completed prior to entering into formal agreements such as Rights of Entry for Construction and Conservation Easements. For the Warner Deardorff Segment this work will not be completed until spring 2002.

Outreach meetings have been held with City of Modesto and Stanislaus County public works and planning agency staffs starting in December 1998. The Stanislaus County planning department is actively involved with the Project induced modifications to the use permits for the mining operations in the project areas. The EA/IS for the four projects in the Mining Reach went through a public hearing in June 1998. The comments received were addressed in the amended mitigation plan for the EA\IS. The final EA\IS was adoption in June 1999 and it outlines the mitigation and monitoring that are to be followed to minimize impacts associated with the restoration activities.

Attached is the notice for the EA\IS that was sent in June 1997 to the landowners, mining interests and agencies shown on the associated mailing lists. The same lists are used in the periodic project newsletters and 23 June 1999 Public Outreach workshop for the Habitat Restoration Plan. A 16 page summary of this plan can be viewed at the TID web page, www.tid.org. Copies of the notice letters for this phase of the project that were sent to the Stanislaus County Board of Supervisors and Planning Department during the 2000 PSP process are attached because the project scope has not change since that notification. Project concurrence statements from the owners affected by the project are attached.

VII COMPLIANCE WITH STANDARD TERMS & CONDITIONS

Applicant is a public entity. The applicable PSP project group type is Public Works Construction.

The applicant agrees to the terms and conditions of the 2001 Proposal Solicitation Package and as amended by CALFED's Responses to PSP Questions dated 12 April 2000 and applicant intends to comply with those terms and conditions.

It is anticipated that private contractors will perform a majority of the public works construction effort. The applicant will be deferring the requirement for submission of bid & payment bonds until such time as each subcontract is sought and awarded and before any work under the subcontract is performed.

Enclosed are the following completed forms:

Non-collusion Affidavit Non-discrimination Compliance Statement **Environmental Compliance Checklist** Land Use Checklist Federal & State contract forms

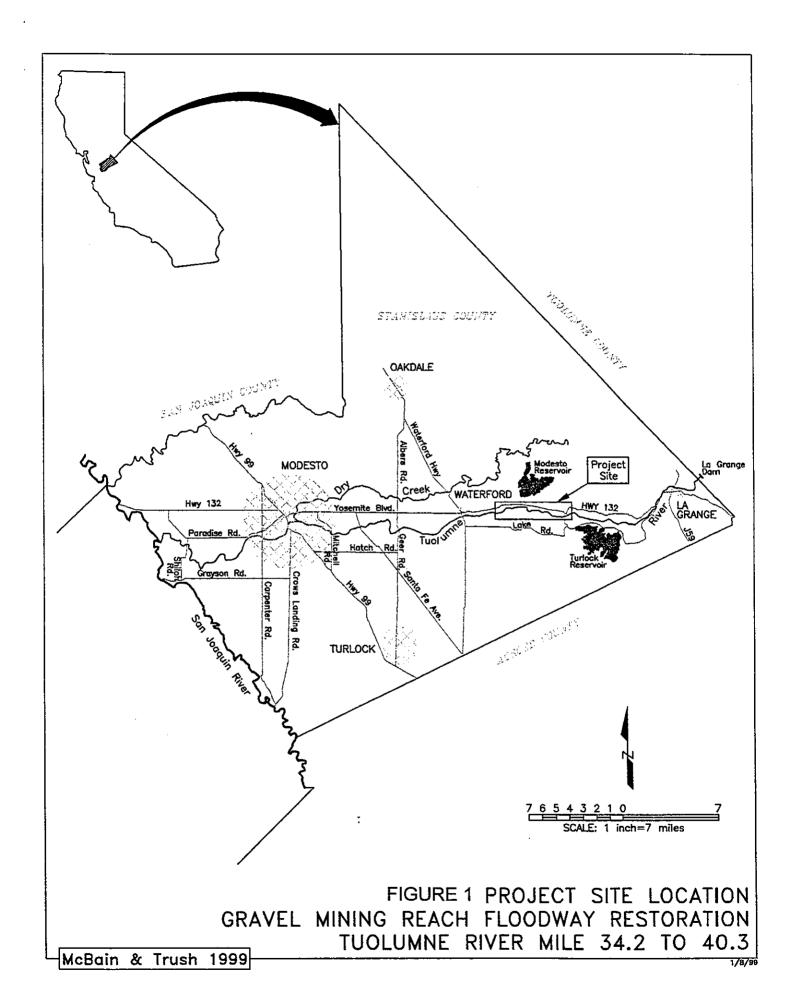
Submitted by:

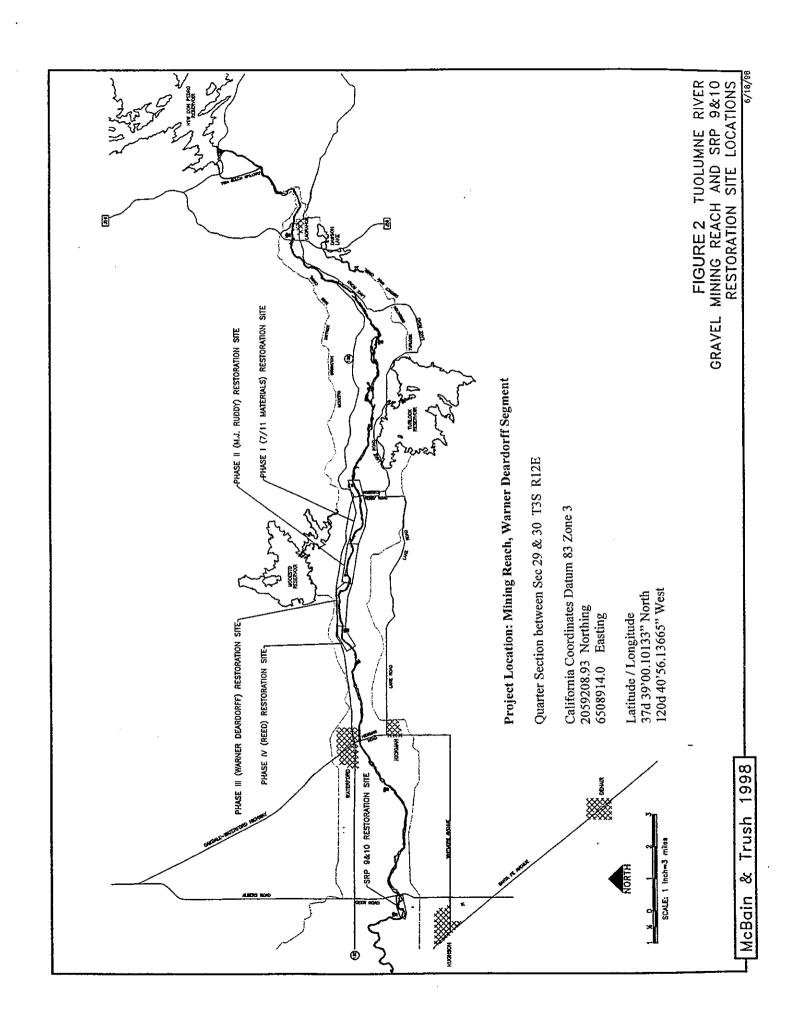
TURLOCK IRRIGATION DISTRICT

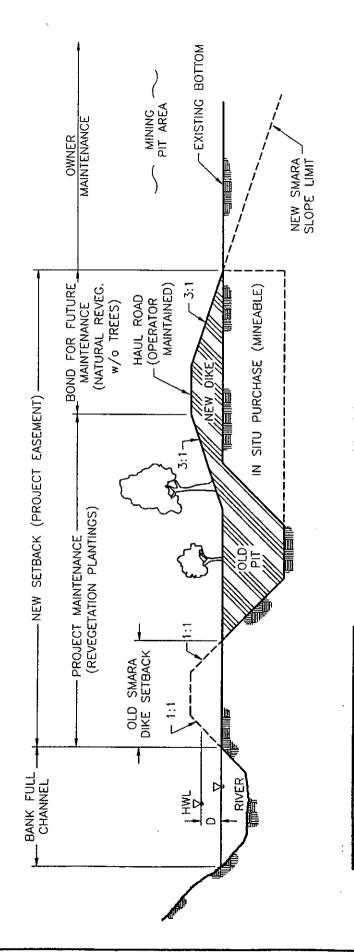
By

Date: 12 May 2000

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CHANNEL DYNAMICS

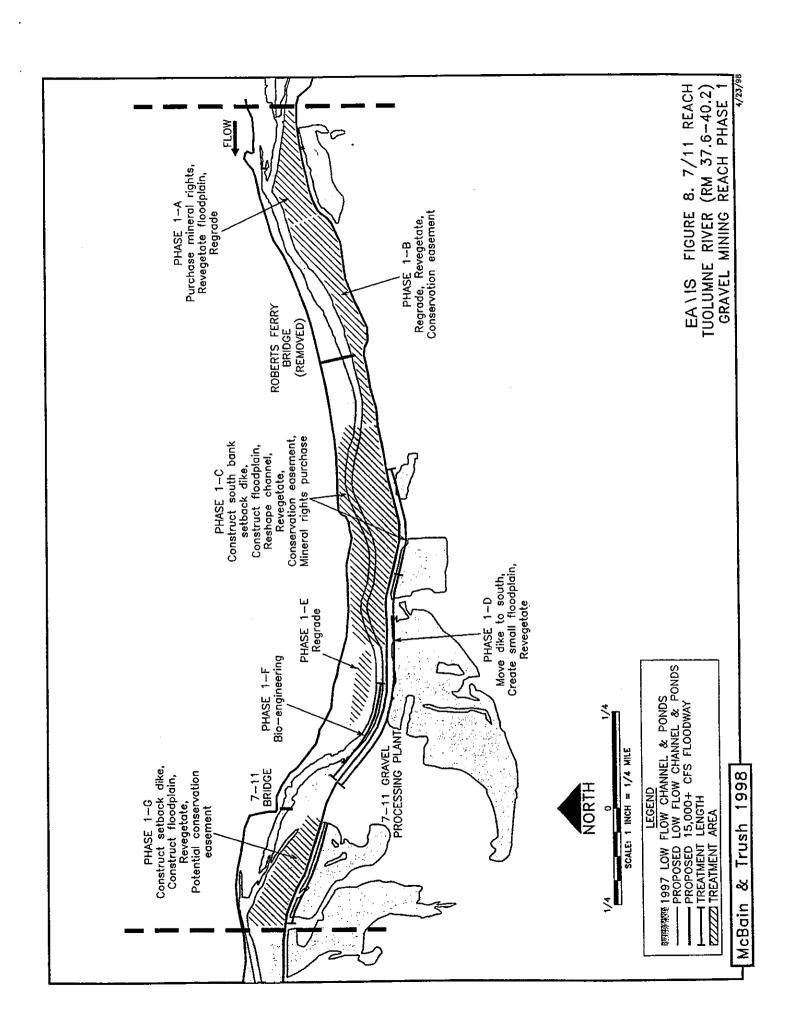
Q1=V1A1=V1W1D Q1=8000 cfs Qr=V12W1D=15,000 cfs

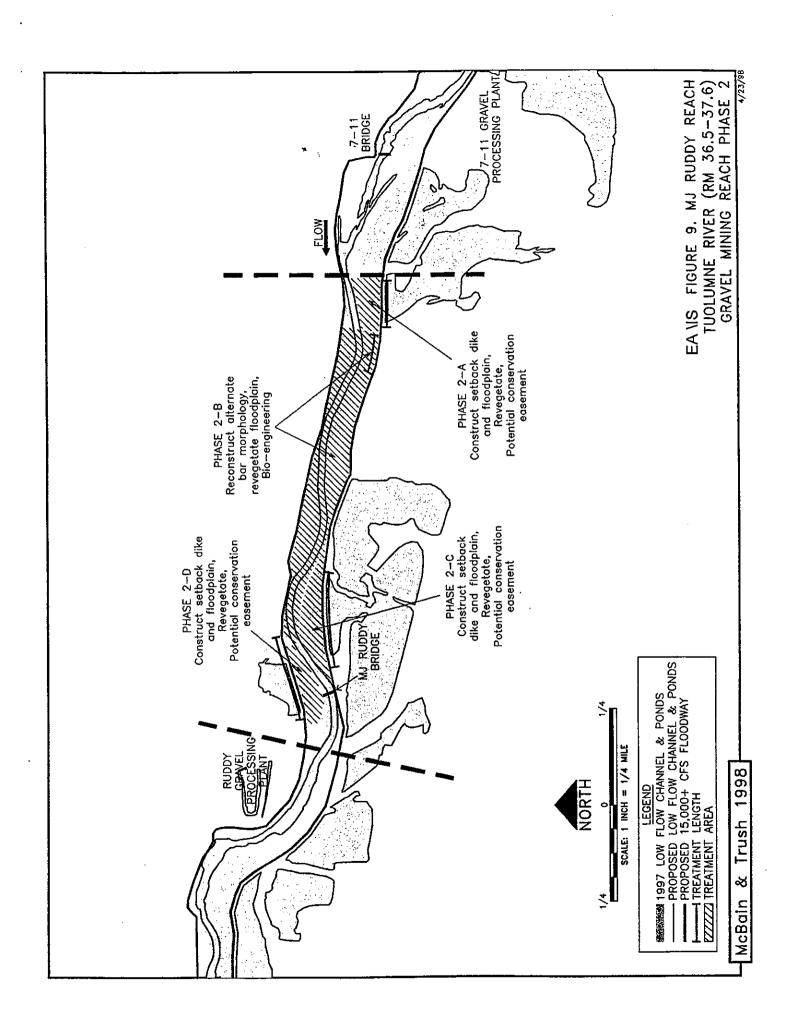
 $Qr = V_1 ZW_1 U = 15,000 \text{ cfs}$ $Qr = V_2 4W_1 D = 15,000 \text{ cfs}$ $V_2 = \frac{1}{2} V_1$

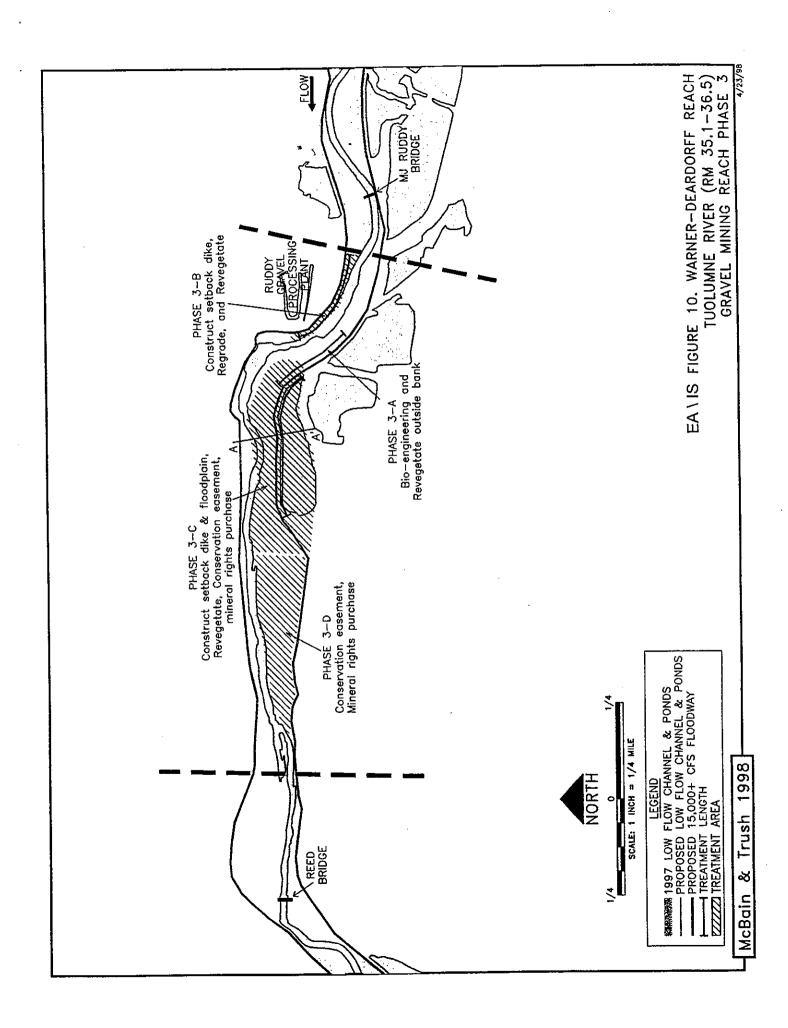
PROJECT NOTES:

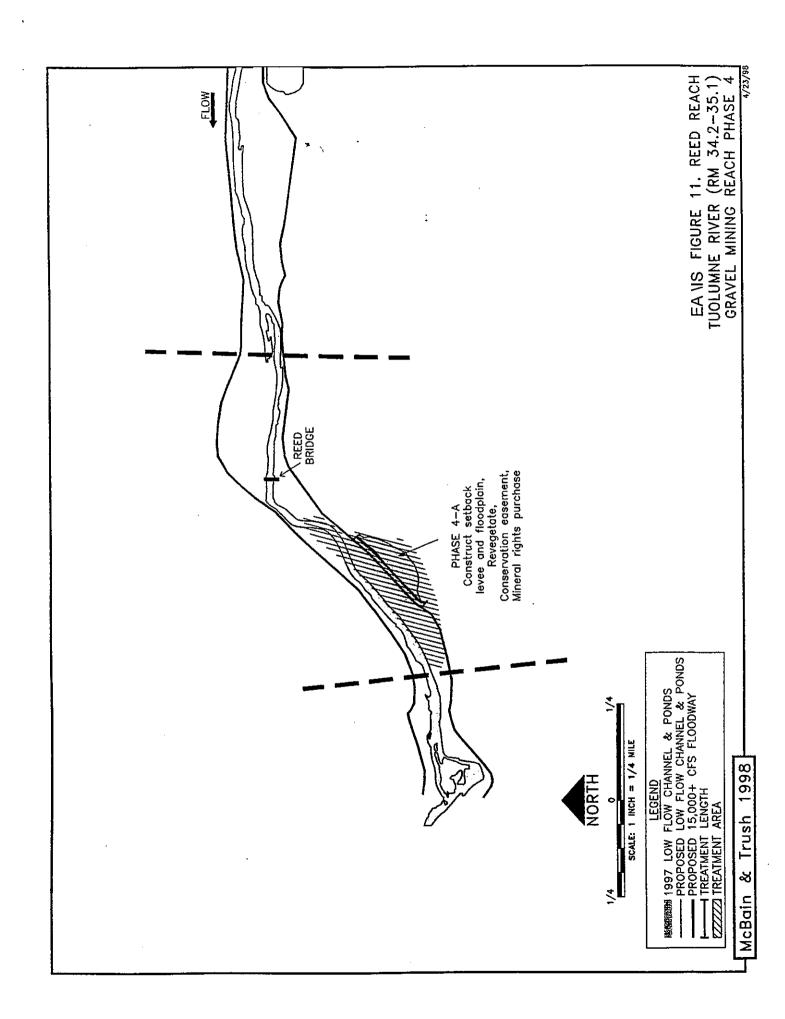
1) NEW CONSTRUCTION TO CUP & SMARA STANDARD 3:1 SLOPES

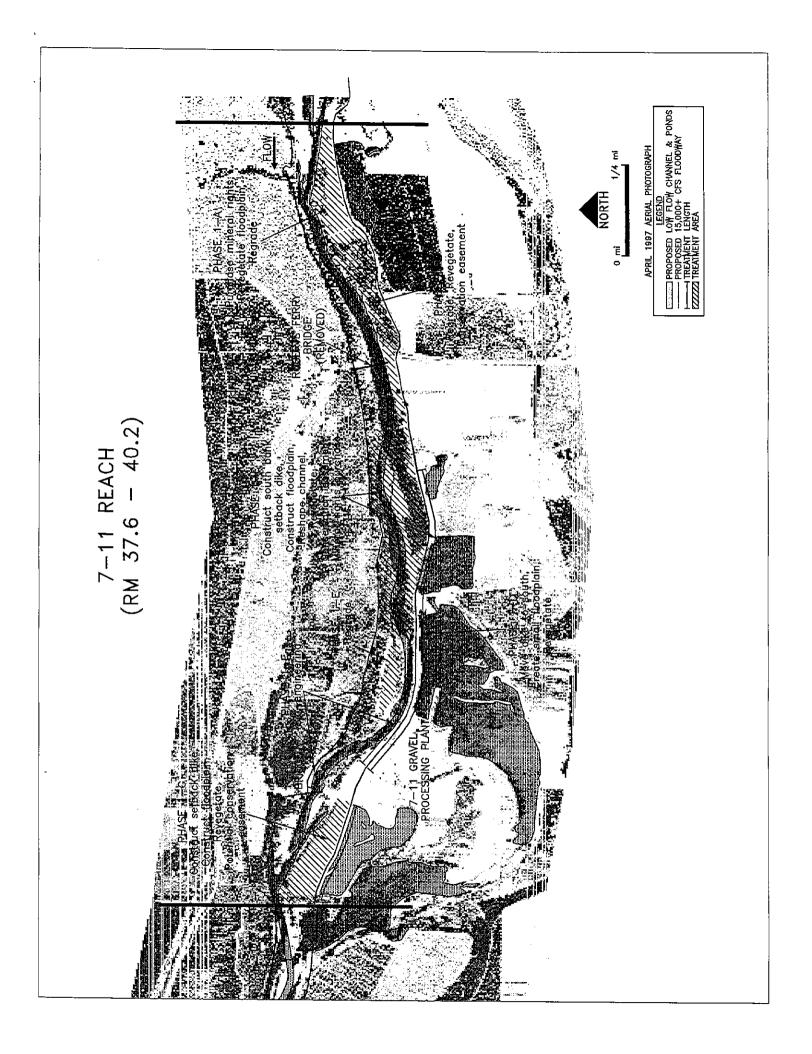
3) REVEGETATION TO PROJECT STANDARDS

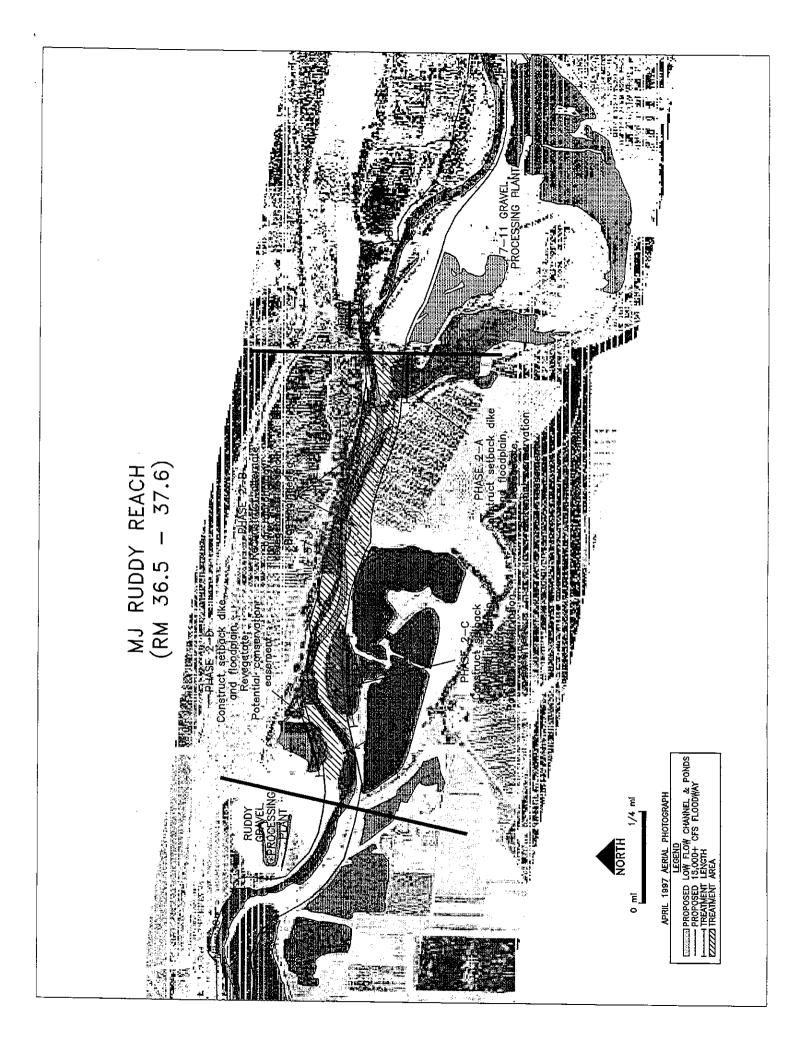




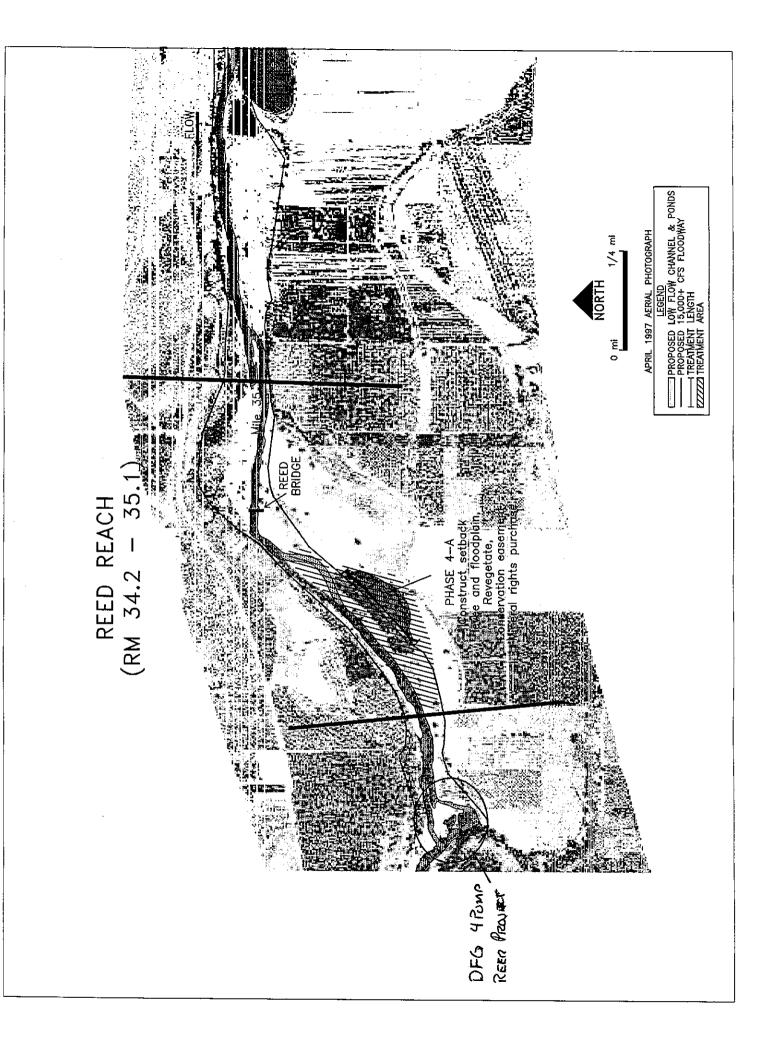








WARNER / DEARDORFF REACH (RM 35.1 - 36.5) APRIL 1997 AERIAL PHOTOGRAPH



NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

Turlock Irrigation Dis	strict
specifically exempted, compliance with G Regulations, Title 2, Division 4, Chapted development, implementation and maintent agrees not to unlawfully discriminate, hara employment because of sex, race, color, a	eferred to as "prospective contractor") hereby certifies, unless sovernment Code Section 12990 (a-f) and California Code of er 5 in matters relating to reporting requirements and the nance of a Nondiscrimination Program. Prospective contractor ass or allow harassment against any employee or applicant for incestry, religious creed, national origin, disability (including er), age, marital status, denial of family and medical care leave
	CERTIFICATION
contractor to the above described certifica	r that I am duly authorized to legally bind the prospective ation. I am fully aware that this certification, executed on the er penalty of perjury under the laws of the State of California.
12 May 00	
Leiton B Bryer	EXECUTED IN THE COUNTY OF Stanslaus
Water Planning Dept. M.	

State of California The Resources Agency Department of Water Resources

Agreement No.
Exhibit

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS

	•	
STATE OF CALIFORNIA))ss .	
COUNTY OF Stanislaus)	
says that he or she is water	, being first duly sworn	, deposes and
says that he or she is water	Planning Dest. Mgr	of
Turlock Irrigation F) is trict	
10110ac 1111garion 1	(the bidder)	,
the party making the foregoing bid behalf of, any undisclosed person, por corporation; that the bid is gen has not directly or indirectly induces sham bid, and has not directly or inwith any bidder or anyone else to publidding; that the bidder has not in agreement, communication, or combidder or any other bidder, or to fix price, or of that of any other bidder body awarding the contract of any statements contained in the bid a directly or indirectly, submitted his contents thereof, or divulged informot pay, any fee to any corporation, bid depository, or to any member sham bid.	partnership, company, association, uine and not collusive or sham; the ed or solicited any other bidder to directly colluded, conspired, connivatin a sham bid, or that anyone shall any manner, directly or indirect afterence with anyone to fix the bid any overhead, profit, or cost elements or to secure any advantage againone interested in the proposed control true; and, further, that the bid sor her bid price or any breakdown mation or data relative thereto, or partnership, company, association, or agent thereof to effectuate a	organization, pat the bidder put in a false wed, or agreed I refrain from tly, sought by d price of the nent of the bid nst the public tract; that all dder has not, thereof, or the paid, and will, organization,
DATED: 12 May 00	By Willen B Suger (person signing for bidd	ler)
GAIL HUMPHREY Comm. # 1109009 NOTARY PUBLIC - CALIFORNIA Stanislaus County My Comm. Expires Aug. 18, 2000	Subscribed and sworn to be for may 12,200	re me on
My Collins, Explices Aug. 1912-19	(Notary Public)	γ

DWR 4206 (New 4/90)

(Notarial Seal)

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1.	Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act
	(CEQA), the National Environmental Policy Act (NEPA), or both?

YES

NO

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

Turbole Unication District (CEGA) USFWS (NEPA)
Lead Agency

3. If you answered no to #1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

- 4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

 Project EA/15 Completed July 1999 SCH # 98052070
- 5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

YES

NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

Applicant notified owners in EX/15 process & subsequent public outreach pressum for June 1999. This is second PSP application for preject. Owners notified as part of PSP 2000. No objections recieved to date. Owners help develope conservation easement language.

boxes that apply.	approvals may be required for the activities contained in your proposal. Check	k ali
LOCAL		
Conditional use permit		
Variance	<u> </u>	
Subdivision Map Act approval		
Grading permit		
General plan amendment		
Specific plan approval		
Rezone		
Williamson Act Contract		
cancellation	<u> </u>	
Other		
(please specify)		
None required	·	
STATE		
CESA Compliance	(CDFG)	
Streambed alteration permit	(CDFG)	
CWA § 401 certification	(CDFG) (RWQCB) (Coastal Commission/BCDC)	
Coastal development permit	(Coastal Commission/BCDC)	
Reclamation Board approval		
Notification	(DPC, BCDC)	
Other State Lands Commission	L Lease	
(please specify)	~ Read &	
None required	;	
FEDERAL		
ESA Consultation	(HCEN/C)	
Rivers & Harbors Act permit	(USFWS)	
CWA § 404 permit	(ACOE)	
Other	(ACOE)	
(please specify)		
None required		

DPC = Delta Protection Commission CWA = Clean Water Act CESA = California Endangered Species Act USFWS = U.S. Fish and Wildlife Service ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
CDFG = California Department of Fish and Game
RWQCB = Regional Water Quality Control Board
BCDC= Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. <u>Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.</u>

Do the actions in the proposal involve physical changes to the land(i.e. grading, planting vegetation, or breeching levees)

	servation easement or placement of land in a wildlife refuge)?
YES	NO
If NO to # 1, explain what type of	actions are involved in the proposal (i.e., research only, planning only).
Existing dilices around , stream side of the mini	ed land use change or restriction under the proposal? mining pits will be moved to create a wider stream channel. The ing pits will be filled in and riparian vegetation planted. Consorvation project features (Perpetual comments)
If YES to # 1, is the land currently	y under a Williamson Act contract?
YES	NO
If YES to # 1, answer the followin	ng:
Current land use Current zoning Current general plan designation	Aggregate Mining
If YES to #1, is the land classified Department of Conservation Imp	as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the oortant Farmland Maps?
YES	NO DON'T KNOW
If YES to #1, how many acres of 37 ocres	land will be subject to physical change or land use restrictions under the proposal?
If YES to # 1, is the property curr	rently being commercially farmed or grazed?
VFC	NO.
x EU	NO NO
If YES to #8, what are	the number of employees/acre the total number of employees
	If NO to # 1, explain what type of If YES to # 1, what is the propose Existing shiles around is stream side of the minis easements will maintain If YES to # 1, is the land currently YES If YES to # 1, answer the followin Current land use Current zoning Current general plan designation If YES to # 1, is the land classified Department of Conservation Imp YES If YES to # 1, how many acres of 37 ocres If YES to # 1, is the property curry YES

÷		
	YES	NO
1.	What entity/organization will hold the interest? Turlock & Hod (TID is project)	desto Irrigation Vistricts
		ech manaser).
2.	If YES to # 10, answer the following:	
	Total number of acres to be acquired under proposal Number of acres to be acquired in fee Number of acres to be subject to conservation easement	37 Junknown - doponds Jonindividual owner chaics.
13.	For all proposals involving physical changes to the land or restric will:	
	manage the property	Turlock Prigation District
	provide operations and maintenance services	Turlock Irrigation District Turlock Irrigation District Turlock Irrigation District
		$\tau + I + I + A = A = I$
14.	conduct monitoring For land acquisitions (fee title or easements), will existing water r	
14.		
	For land acquisitions (fee title or easements), will existing water r	rights also be acquired?
	For land acquisitions (fee title or easements), will existing water r	rights also be acquired?
15.	For land acquisitions (fee title or easements), will existing water reverse. YES Does the applicant propose any modifications to the water right of YES	rights also be acquired? NO or change in the delivery of the water?
15.	For land acquisitions (fee title or easements), will existing water reverse. YES Does the applicant propose any modifications to the water right of YES	rights also be acquired? NO or change in the delivery of the water?
15.	For land acquisitions (fee title or easements), will existing water reverse YES Does the applicant propose any modifications to the water right of YES If YES to # 15, describe water right will pass or of land. Canners informed	rights also be acquired? NO or change in the delivery of the water?
15.	For land acquisitions (fee title or easements), will existing water reverse. YES Does the applicant propose any modifications to the water right of YES	NO To change in the delivery of the water? NO To remainder To cosc law to
15.	For land acquisitions (fee title or easements), will existing water respectively. YES Does the applicant propose any modifications to the water right of YES If YES to # 15, describe water right will pass on of land. Cauneus informed protect their rights.	NO
15.	For land acquisitions (fee title or easements), will existing water reverse. YES Does the applicant propose any modifications to the water right of the water right	NO
15.	For land acquisitions (fee title or easements), will existing water respectively. YES Does the applicant propose any modifications to the water right of YES If YES to # 15, describe water right will pass on of land. Cauneus informed protect their rights.	NO
15.	For land acquisitions (fee title or easements), will existing water reverse. YES Does the applicant propose any modifications to the water right of the water right of the water right of land. Currents informed protect their rights.	NO

APPLICATION FOR				OMB Ap	proval No. 0348-0043
FEDERAL ASSISTANCE	CE	2. DATE SUBMITTED 12 MayOO		Applicant Identifier	
	reapplication	3. DATE RECEIVED BY	STATE	State Application Identifier	
Construction	Construction Non-Construction	4. DATE RECEIVED BY	FEDERAL AGENCY	Federal Identifier	
5. APPLICANT INFORMATION			la Title Line		
Legal Name: Turlock lrriga	tion District	<u> </u>		anning Dopartn	
Address (give city, county, State, at PO Box 949	nd zip code):		Name and telephone in this application (give a	number of person to be contacte rea code)	d on matters involving
	95381			Fryer 209-883.	
5. EMPLOYER IDENTIFICATION N	NUMBER (EIN): 4 6 0		7. TYPE OF APPLICA A. State	ANT: (enter appropriate letter in a	6) (G)
3. TYPE OF APPLICATION:		· · · · · · · · · · · · · · · · · · ·	B. County.	1. State Controlled Institution of	Higher Learning
	-	П	C. Municipal	J. Private University	
⊠ New	Continuation	Revision	D. Township	K. Indian Tribe	
if Revision, enter appropriate letter((s) in box(es)		E. Interstate	L. Individual	
The second secon		<u></u>	F. Intermunicipal	M. Profit Organization	
A. Increase Award B. Decrea D. Decrease Duration Other(spi	ase Award C. Increase	Duration	1	N. Other (Specify)	
			9. NAME OF FEDERA	AL AGENCY:	· · ·
			USFWS - AF	العاد	
		· ·	US1312 - CA	LFED	
10 CATALOG OF FEDERAL DOL	ACCIOTANCE NU	MOTO.	44 DECODIDANE TE	TI E OE ADDI ICANTIC DOOLE	CT.
10. CATALOG OF FEDERAL DON	NESTIC ASSISTANCE NU	IMBEK:	D .1 / 2 h	TLE OF APPLICANT'S PROJE niles of fall-run o itat ; assuciated r	Cli
		XXI-XIXX	RESIDE 1-7	L. C. Orene L. C.	
TITLE:	•		salmon nan	T / 2'	H-1 L
12. AREAS AFFECTED BY PROJ	ECT /Cition Counting Sto	ton oto li	floodway or	Llublumne River.	there peut
_			of four part	Tuolumne liver. project covering 6.	.I miles of
Stanislaus Cou	nty Californ	ia	river rector	ation.	
13. PROPOSED PROJECT 1	4. CONGRESSIONAL DIS	STRICTS OF: #18	Sary Condit		
Start Date Ending Date a May 2001 How 2003	. Applicant Turlock Irrisa	ction District	b. Project Mining Reac	h # 3- Warner-Dear	clorf Sagment
5. ESTIMATED FUNDING:			16. IS APPLICATION	SUBJECT TO REVIEW BY ST	ATE EXECUTIVE
			ORDER 12372 PF	ROCESS?	
1. Federal USFWS-AFRP	3, 336	.000° —	a YES THIS PRE	APPLICATION/APPLICATION V	VAS MADE
	\$		-1	E TO THE STATE EXECUTIVE	
		00	PROCESS	FOR REVIEW ON:	
CALFED	3,501	, 000	DATE	·	
	\$,000 ··· —			40070
Districts 3. Other	\$.*		AM IS NOT COVERED BY E. O GRAM HAS NOT BEEN SELEC	
	<u> </u>	00		VIEVV	
. Program Income	\$ 	•	17. IS THE APPLICA	NT DELINQUENT ON ANY FE	DERAL DEBT?
3. TOTAL	\$ 6,877	, 000° -	Yes If "Yes,"	attach an explanation.	☑ No
8. TO THE BEST OF MY KNOW	LEDGE AND BELIEF. AL	L DATA IN THIS APPLIC	ATION/PREAPPLICA	TION ARE TRUE AND CORRE	CT, THE
DOCUMENT HAS BEEN DULY A ATTACHED ASSURANCES IF TH	UTHORIZED BY THE GO	VERNING BODY OF TH			
a. Type Name of Authorized Repre		b, Title Water Pknn	a. A. I Mar	c. Telephone Number 209 - 883 - 831 6	
J. Signature of Authorized Represe	· · · · · · · · · · · · · · · · · · ·	I ruller I kun	ING DEPT. 194.	e. Date Signed	
Wilton & Que				12 may CO	
Previous Edition Usable	·		······································	Standard Form 424	(Rev. 7-97)

OMB Approval No. 0348-0043

INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

Item:	Entry:	Item:	Entry: List only the largest political entities affected (e.g., State, counties, cities).
1.	Self-explanatory.	12.	
2.	Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable).	13.	Self-explanatory.

State use only (if applicable).

3.

- If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.
- 5. Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.
- Enter Employer Identification Number (EIN) as assigned by the 6 Internal Revenue Service.
- 7. Enter the appropriate letter in the space provided.
- Check appropriate box and enter appropriate letter(s) in the space(s) provided:
 - -- "New" means a new assistance award.
 - -- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.
 - -- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation.
- 9. Name of Federal agency from which assistance is being requested with this application.
- 10. Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.
- 11. Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.

- 14 List the applicant's Congressional District and any District(s) affected by the program or project.
- 15. Amount requested or to be contributed during the first funding/budget period by each contributor. Value of inkind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate only the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15.
- Applicants should contact the State Single Point of 16. Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.
- 17. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.
- To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)

OMB Approval No. 0348-0041

2	
ion Programs	
BUDGET INFORMATION - Construction P	

>	IOTE: Certain Federal assistance programs require additional computa	ations t	o arrive at the Federal share of projec	rt costs	eligible for participation. If such is the	e case,	you will be potified	
	COST CLASSIFICATION a. Total Cost b. COST CLASSIFICATION c. Total Allowable c. Total Allowable (Columns a		a. Total Cost		b. Costs Not Allowable for Participation		c. Total Allowable Costs (Columns a-b)	
-	Administrative and legal expenses	€9	175,00000-	(A)	89,000 .00	↔	86,000	99.
7.	Land, structures, rights-of-way, appraisals, etc.	မှ	2,460,000 -00	€9	1,300,000 .00	↔	0,000 091 1	00.
က	Relocation expenses and payments	₩.	00.	€	00.	↔		0.
4.	Architectural and engineering fees	€ >	00'	€>	00.	63		8.
ri,	Other architectural and engineering fees	€9	409,000 -88-	சு	\$	υ	409,000	90.
9	Project inspection fees ; Construction mgt	↔	239,000	↔	150,000 .00	€	89,000	8.
7.	Site work of Revegetation	↔	595,000	↔	G .00	↔	595,000	00.
ω.	Demolition and removal	↔	00'	\$	00.	6		00.
<u>ග</u>	Construction	↔	2, 195,000	€>	1,665,000.00	69	530,000	00
6.	. Equipment	↔	00'	↔	00.	↔		.00
7.	. Miscellaneous - 代いんんから	↔	180, 000 .00	↔	00.	€	180,000	8.
12.	. SUBTOTAL (sum of lines 1-11)	↔	6, 253,000 .00	€>	3,204,000 .00	↔	3,049,000	8.
13,	. Contingencies	છ	584,000 .00	€9	297,000 .00	69	287,000	00.
4.	SUBTOTAL	₩	6,837,000 .00	↔	3,501,000 .00	₩	3,336,000	8.
15.	. Project (program) income	↔	000.	€	00.	↔	4	8.
16.	TOTAL PROJECT COSTS (subtract #15 from #14)	↔	6,834,000 .00	↔	3, 501,000 .00	↔_	3,336,000	00.
			FEDERAL FUNDING			.		
17.	. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.		Enter eligible costs from line 16c Multiply X $\overline{\mu}$	6c Mu	Itiply x <u>100 </u> %	. ↔	3,336,000	00.

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Standard Form 424C (Rev. 7-97)
Prescribed by OMB Circular A-102

INSTRUCTIONS FOR THE SF-424C

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0041), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This sheet is to be used for the following types of applications: (1) "New" (means a new [previously unfunded] assistance award); (2) "Continuation" (means funding in a succeeding budget period which stemmed from a prior agreement to fund); and (3) "Revised" (means any changes in the Federal Government's financial obligations or contingent liability from an existing obligation). If there is no change in the award amount, there is no need to complete this form. Certain Federal agencies may require only an explanatory letter to effect minor (no cost) changes. If you have questions, please contact the Federal agency.

Column a. - If this is an application for a "New" project, enter the total estimated cost of each of the items listed on lines 1 through 16 (as applicable) under "COST CLASSIFICATION."

If this application entails a change to an existing award, enter the eligible amounts approved under the previous award for the items under "COST CLASSIFICATION."

Column b. - If this is an application for a "New" project, enter that portion of the cost of each item in Column a. which is *not* allowable for Federal assistance. Contact the Federal agency for assistance in determining the allowability of specific costs.

If this application entails a change to an existing award, enter the adjustment [+ or (-)] to the previously approved costs (from column a.) reflected in this application.

Column. - This is the net of lines 1 through 16 in columns "a." and "b."

- Line 1 Enter estimated amounts needed to cover administrative expenses. Do not include costs which are related to the normal functions of government. Allowable legal costs are generally only those associated with the purchases of land which is allowable for Federal participation and certain services in support of construction of the project.
- Line 2 Enter estimated site and right(s)-of-way acquisition costs (this includes purchase, lease, and/or easements).
- Line 3 Enter estimated costs related to relocation advisory assistance, replacement housing, relocation payments to displaced persons and businesses, etc.

- Line 4 Enter estimated basic engineering fees related to construction (this includes start-up services and preparation of project performance work plan).
- Line 5 Enter estimated engineering costs, such as surveys, tests, soil borings, etc.
- Line 6 Enter estimated engineering inspection costs.
- Line 7 Enter estimated costs of site preparation and restoration which are not included in the basic construction contract.
- Line 9 Enter estimated cost of the construction contract.
- Line 10 Enter estimated cost of office, shop, laboratory, safety equipment, etc. to be used at the facility, if such costs are not included in the construction contract.
- Line 11 Enter estimated miscellaneous costs.
- Line 12 Total of items 1 through 11.
- Line 13 Enter estimated contingency costs. (Consult the Federal agency for the percentage of the estimated construction cost to use.)
- Line 14 Enter the total of lines 12 and 13.
- Line 15 Enter estimated program income to be earned during the grant period, e.g., salvaged materials, etc.
- Line 16 Subtract line 15 from line 14.
- Line 17 This block is for the computation of the Federal share. Multiply the total allowable project costs from line 16, column "c." by the Federal percentage share (this may be up to 100 percent; consult Federal agency for Federal percentage share) and enter the product on line 17.

ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

PLEASE <u>DO NOT</u> RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

- Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
- Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
- 3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property aquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
- 4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
- 5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
- Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
- Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

- 8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
- Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
- 10. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

- 11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
- 12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
- 13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
- 14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
- 15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the

National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

- Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
- 17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
- 18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
- 19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
Wilden B. Tryer	Water Planning Dept. Mgv.
APPLICANT ORGANIZATION	DATE SUBMITTED
Turlock Irrigation District	12 May 00

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK VIF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

- A. The grantee certifies that it will or continue to provide a drug-free workplace by:
 - (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
 - (b) Establishing an ongoing drug-free awareness program to inform employees about-
 - (1) The dangers of drug abuse in the workplace:
 - (2) The grantee's policy of maintaining a drug-free workplace:
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
 - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
 - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement: and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
 - (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
 - (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
 - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b),
 (c), (d), (e) and (f).
- B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Tur	lode	Irr	igation	District
233	K	Carre	(1)10	•

Turluck CA 95380

Check __ if there are workplaces on file that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK _ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

DI-2010 March 1995 (This form consolidates DI-1953, DI-1954, DI-1955. DI-1956 and DI-1963)

U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and Other Responsibility Matters, Drug-Free Workplace Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12.)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

CHECK VIF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -Lower Tier Covered Transactions

CHECK __ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

DI-2010 March 1995 (This form consolidates DI-1953, DI-1954, DI-1955, DI-1956 and DI-1963)

PART E: Certification Regarding Lobbying

Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK VIF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT, SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK __ IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL WA

TYPED NAME AND TITLE Wilton B. Fryer Water Planning Dept. Hgr.

DATE 12 May 00

DI-2010

TUOLUMNE RIVER RESTORATION PROGRAM

Mining Reach Project # 3 Warner-Deardorff Segment

Project Concurrence Agreement

The Turlock Irrigation District, (District), is responsible for construction of habitat restoration projects on the Tuolumne River corridor. The District has identified a specific restoration project on the river called the Mining Reach Project # 3: Warner-Deardorff Segment. This project will involve restoration work along the river on portions of your property identified below.

Previously the District has notified the landowners of our intent to develop projects along this reach of the Tuolumne River with personal contact, newsletters, and public meetings. The CALFED funding agencies now require that landowners affected by such projects acknowledge in writing that they are aware of the Districts intent to develop a restoration project on a portion of their land along the river. The landowner understands that specifics of project design and easements will be developed as a result of this project being funded and that they will be involved in that process. Signing this Concurrence Agreement only acknowledges that the landowner is aware of the project and is working with the District. No other obligations are being made by the landowner when signing this form.

Parcel Number

008-09-15

Land Owner(s)

Walter G. Deardorff

Date

TUOLUMNE RIVER RESTORATION PROGRAM

Mining Reach Project # 3 Warner-Deardorff Segment

Project Concurrence Agreement

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Parcel Number	008-10-34
Land Owner(s)	Bret H. Warner
	Bret Warner
Date	5/12/2000

TUOLUMNE RIVER RESTORATION PROGRAM

Mining Reach Project # 3 Warner-Deardorff Segment

Project Concurrence Agreement

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Parcel Number	008-10-22 & 008-10-38
Land Owner(s)	Roger Warner
Date	
	Notavaifall te sign
	Witten Riger 13 Mag (1)

I:\FERC\ ROW\EASEMENTS\SLCAGREEMENT.DOC

TUOLUMNE RIVER RESTORATION PROGRAM

Mining Reach Project #3 Warner-Deardorff Segment

Project Concurrence Agreement

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Parcel Number	008-10-35
Land Owner(s)	Kurt Warner Exunt 2 Warner
Date	5/12/00



Ron Freitas, Director Stanislaus County Dept. of Planning 1010 Tenth St., Suite 3400 Modesto, CA 95354

RE: Salmon Habitat Restoration Construction Projects

Dear Mr. Freitas,

The CALFED Bay-Delta Program has developed a Proposal Solicitation Package for funding Ecosystem Restoration Projects and Programs in 2001. The Turlock and Modesto Irrigation Districts have been actively working on several fall-run salmon habitat restoration projects along the Tuolumne River since 1997. The TID is the program manager for these projects and coordinator for the Tuolumne River Technical Advisory Committee, TRTAC, which oversees the development of the projects.

This letter is a formal notice that on behalf of the TRTAC, the TID will be submitting two restoration proposals to CALFED for funding in 2001. This is a reapplication for funding of projects identified in our 13 Apr 99 letter. The first is called Mining Reach No. 3, Warner-Deardorff Segment and is located between River Mile 36.5 and 35.1 below the Roberts Ferry Bridge. The second is called SRP 10, located at River Mile 25 below the Geer Road Bridge. Project work in 2001 would consist of engineering design, ROW acquisition, and permitting. We anticipate the actual construction would start in 2002and end in 2003.

These two projects are a continuation of the work started in 1998 with the filing of a mitigated EA\IS for all six projects currently identified by the TRTAC. We are actively working on these projects with Bob Kachel of your staff. Currently CALFED and the US Fish & Wildlife Service Anadromous Fish Restoration Program have funded the first three projects. Construction on the first Mining Reach project is anticipated to start late this summer. If you have any questions please call me at 209-883-8316.

Sincerely,

TURLOCK IRRIGATION DISTRICT

Wilton B. Fryer, P.E.

Water Planning Department Manager

wbf: \ferc\projects\calfed\Warner\PSPplanningletter00.doc





12 May 2000

Ray Simon, Chairman Stanislaus County Board of Supervisors 1100 H St., 2nd Floor Modesto, CA 95354

RE: Salmon Habitat Restoration Construction Projects

Dear Mr. Simon,

The CALFED Bay-Delta Program has developed a Proposal Solicitation Package for funding Ecosystem Restoration Projects and Programs in 2001. The Turlock and Modesto Irrigation Districts have been actively working on several fall-run salmon habitat restoration projects along the Tuolumne River since 1997. The TID is the program manager for these projects and coordinator for the Tuolumne River Technical Advisory Committee, TRTAC, which oversees the development of the projects.

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Sincerely,

TURLOCK IRRIGATION DISTRICT

Wilton B. Fryer, P.E.

Water Planning Department Manager

wbf: \ferc\projects\calfed\warner\PSPplanningletter00.doc



TUOLUMNE RIVER TECHNICAL ADVISORY COMMITTEE

Don Pedro Project - FERC License 2299

MODESTO IRRIGATION DISTRICT
TURLOCK IRRIGATION DISTRICT
CITY & COUNTY OF SAN FRANCISCO
CALIFORNIA DEPARTMENT OF FISH & GAME
U. S. FISH & WILDLIFE SERVICE



333 East Canal Drive Turlock, CA 95381-0949 Phone: (209) 883-8275 Fax: (209) 656-2143 Email: tjford@tid.org

May 10, 2000

Wilton Fryer
Restoration Program Manager
Turlock Irrigation District
333 East Canal Drive
Turlock, CA 95381-0949

Dear Mr. Fryer:

The TRTAC supports the proposal for the Warner-Deardorff Segment of the Gravel Mining Reach submitted by you on behalf of the TRTAC. This project will continue the restoration effort to improve salmonid and riparian habitat conditions in this reach of the Tuolumne River. The TRTAC believes this project represents an important restoration action consistent with the Tuolumne River Habitat Restoration Plan and will complement other restoration projects that are underway in the Tuolumne River corridor.

The Tuolumne River Technical Advisory Committee (TRTAC) is a product of the 1995 Don Pedro Project FERC Settlement Agreement (FSA). The FSA is a precedent-setting document signed by 11 parties representing water agencies, fishery agencies, and environmental groups. The TRTAC has completed a Habitat Restoration Plan for the 52-mile reach known as the Lower Tuolumne River, from La Grange Dam to the San Joaquin River. The FSA, the habitat plan, and salmonid restoration plans developed by both the CDFG and US Fish and Wildlife Service, all recognize the importance of and the need for improvements from existing conditions.

Authorized by and signed on behalf of the TRTAC,

Tim Ford

Coordinator, TRTAC

Tim Ford

Turlock and Modesto Irrigation Districts

Tim Heyne

California Department of Fish and Game

Gary Taylor

U. S. Fish and Wildlife Service

Ron Yoshiyama

City and County of San Francisco

Jenna Olsen

Tuolumne River Preservation Trust

Nicole Sandkulla

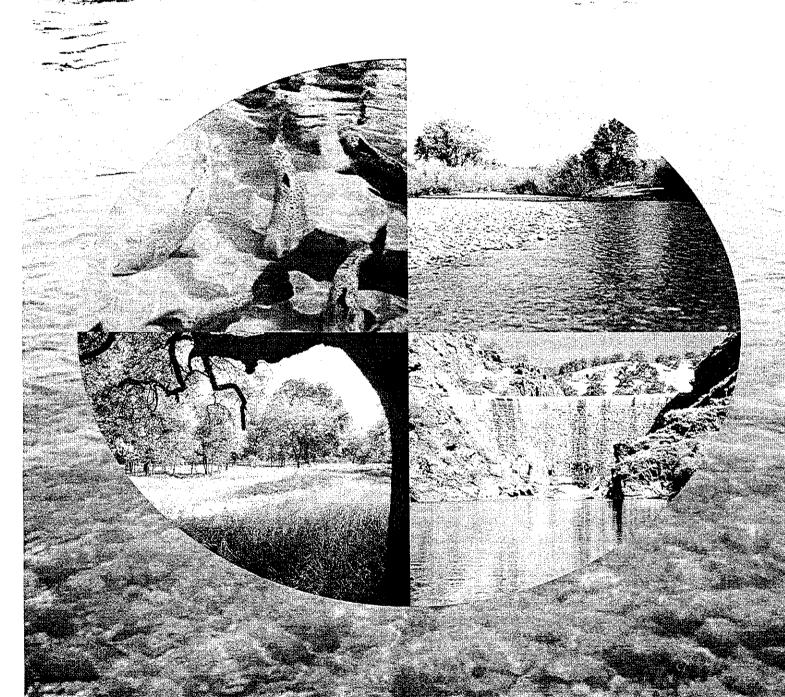
Bay Area Water Users Association

Dave Boucher

Friends of the Tuolumne

CC: TRTAC e-mail distribution

Flabical Restoration Plan for the Lower Inolumne River Corridor



Prepared for: The Tuolumne River Technical Advisory. Committee

: : March 2000

HABITAT RESTORATION PLAN FOR THE LOWER TUOLUMNE RIVER CORRIDOR

FINAL REPORT

Prepared for:

The Tuolumne River Technical Advisory Committee

With assistance from:

US Fish and Wildlife Service Anadromous Fish Restoration Program

Prepared by:

McBain & Trush P.O. Box 663 Arcata, CA 95518 (707) 826-7794

Response to Comments

Tiered Environmental Assessment and Initial Study/Mitigated Negative Declaration

Anadromous Fish Restoration Program Tuolumne River Riparian Zone Improvements

Gravel Mining Reach & Special Run Pools 9/10 Restoration and Mitigation Projects



Sacramento Field Office United States Fish and Wildlife Service Sacramento, California



Turlock Irrigation District Turlock, California

SCH# 98052070

OWNER OPERATOR LIST

First Last Mail	City	State	Z ip'	Parcel ::	Project
Rowe Barney 19400 Yosemite	Rd. Waterford	CA	95386		7-11 Reach
Don Crooker 21166 Yosemite	Rd. Waterford	CA	95386	80-80-800	7-11 Reach
Wendell Reed PO Box 3191	Modesto	CA	95353	•••	7-11 Reach
Lillian Riley 1539 Sayre St.	San Leandro	CA	94579	008-07-16	7-11 Reach
Ken Riley 14868 Saturn Di	San Leandro	ÇA	94578	008-07 - 16	7-11 Reach
	ry Rd. Waterford	CÀ	95386	008-07-20	7-11 Reach
Wesley Sawyer 600 Roberts Fer	ry Rd. Waterford	CA	95386	008-07-23	7-11 Reach
Tom Sawyer 619 Roberts Fer	ry Rd. Waterford	CA	95386	008-11-05	7-11 Reach
Wesley Sawyer 600 Roberts Fer	ry Rd. Waterford	Ca	95386	008-12-02	7-11 Reach
Mark van Overbee 660 Geer Court	Modesto	CA	95354	008-07-34	7-11 Reach
Betty Wynne 19411 Lake Rd.	Hickman	CA	95323	008-11-02	7-11 Reach
Anthony Donovan 1745 Mc Cormic	k St. Turlock	CA	95380	018-04-12	SRP 9 & 10
Anthony Donovan 1745 Mc Cormic	k St. Turlock	CA	95380	018-04-13	SRP 9 & 10
State of Calif Gen. Service P.O. Box 2048	Stockton	CA	95201	018-03-06	SRP 9 & 10
Wil Streeter 879 Geer Rd.	Modesto	CA	95354	018-03-17	SRP 9 & 10
Wil Streeter 879 Geer Rd.	Modesto	CA	95354	018-03-20	SRP 9 & 10
Joe Ruddy P.O. Box 3042	Modesto	CA	95353	008-05-10	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95353	008-06-04	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95353	008-06-05	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95353	008-06-06	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95323	008-10-01	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95353	008-10-23	Ruddy Reach
Joe Ruddy P.O. Box 1504	Modesto	CA	95353	008-10-26	Ruddy Reach
State of Calif Gen. Service P.O. Box 2048	Stockton	CA	95201	008-10-32	Warner Reach
Ed Garcia 1136 Charles R	d. Hughson	CA	95326	018-03-19	SRP 10
Adeline Solari 876 Charles Ro	l Hughson	CA	95326	018-03-03	SRP 10
Douglas Starn 6621 Blue Gurr	Rd. Hughson	CA	95326	018-03-14	SRP 10
Charles Claus 1012 Bristol Ln	Modesto	CA	95350	008-09-14	Warner Reach
Walter Deardorff 16825 Lampley	Rd. Waterford	CA	95323	008-09-15	Warner Reach
Roger Warner 307 Denton Rd	. Hickman	CA	95323	008-10-22	Warner Reach
Bret Warner 261 Denton Ro	i. Hickman	CA	95323	008-10-34	Warner Reach
Kurt Warner 471 Denton Rd	. Hickman	CA	95323	008-10-35	Warner Reach
Hollis Warner 419 Denton Ro	, Hickman	CA	95323	008-10-37	Warner Reach
Roger Warner 307 Denton Ro	. Hickman	CA	95323	008-10-38	Warner Reach
Charles Golding 15930 Lampley	Rd. Hickman	CA	95324	080-14-05	Reed Reach
Lillian Hampton 16231 Lampley	Rd Hickman	CA	95323	008-09-09	Reed Reach
Joyce LaMunyon 500 Pauline Av	e. Modesto	CA	95358	080-14-03	Reed Reach
Linda Larrick 15648 Yosemi	e Blvd. Waterford	CA	95323	080-15-18	Reed Reach
Wendell Reed P.O. Box 3191	Modesto	CA	95353	008-05-14	Reed Reach
Rose Reed P.O. Box 3191	Modesto	CA	95353	008-09-10	Reed Reach
Wendell Reed P.O. Box 3191	Modesto	CA	95353	080-14-06	Reed Reach
Wendell Reed P.O. Box 3191	Modesto	CA	95353	008-11-01	7-11 Reach
Carol Vierra P.O. Box 3191	Modesto	CA	95353	operator	7-11 Reach
Robert Wooley 19701 Lake Ro	d. Hickman	CA	95323	Wynne tenant	7-11 Reach
William Brown P.O. Box 3042	Modesto	CA	95352	operator	Ruddy Reach
Ron Turcotte P.O. Box 3042	Modesto	CA	95352	operator	Ruddy Reach
Don Crooker 409 Greenwic	n Ct. Modesto	CA	95350	008-12-01	source
Linda Falasco P.O. Box 1111	Los Banos	CA	93635	operator asso	
Phil Short 1376 Swanson	n Rd. Hughson	CA	95326		TID Bd. Of Dir.

EIM	ast.	Company	Mail No Section 1	Silv	State	ZIP	Phone
	Milligan	Army Corp of Engineers	1325 "J" St. Room 1430	Sacramento	δ	95814	916-557-6726
Cindy	Darling	CALFED	1416 Ninth St., Suite 1155	Sacramento	δ	95814	916-657-2666
lames	Pompy	Calif. Dept. of Conservation	801 "K" St., MS 12-30	Sacramento		95814-3531	916-445-1825
William	1 oudermilk	Calif Dept of Fish & Game	1234 E. Shaw Ave.	Fresno	S.	93710	209-222-3761
Stave	Ford	Calif Dept of Water Resources	3251 "S" Street	Sacramento	CA	95816	916-227-7534
Kevin	Faulkenbury	Calif Dept. of Water Resources	3374 E. Shields Ave.	Fresno		93726	209-445-5286
William	Jennings	Calif. Sport Fishing Protection Alliance 3536 Rainier Ave.	3536 Rainier Ave.	Stockton		95204	209-464-5090
Dan	Steele	CALTRANS Environmental Program	1976 E. Charter Way	Stockton	\neg	95201	
202	Yoshivama	CCSF	Dept. of WFCB, U.C. Davis	Davis		95616	916-752-0205
Linda	Falasco	CV Rock Sand Gravel Asso.	P.O. Box 1111	Los Banos		93635	209-826-5955
Tom	Taylor	ENTRIX	590 Ygnacio Valley # 200	Walnut Creek		94596	510-935-9920
Barbara	Ashworth	FEMA	3695 Bleckley St.	Mather	გ	95655	
John	Schnad	FERC	888 First St. N.E.	Washington	D.C.	20426	202-219-2661
Dayle & Allieon	Roucher	Friends of the Tuolumne	2412 Hilo Lane	Ceres	CA	95307	209-537-7533
Dave & Amison	Farnkonf	Hilton, Farnkopf, & Hobson	2201 Walnut Ave. Suite 280	Fremont	CA	94538-2334	510-713-3273
100	Hiphert	I Massey Atlantic Mutual					818-240-5530
Vilos Vilos	Short	Modesto Irrigation District	P.O. box 4060	Modesto	S	95352	209-526-7405
Aligh	Mobiley	National Marine Fishery Service	777 Sonoma Ave., Rm 325	Santa Rosa	ర్ట	95404	
Michael	McElhinev	NRCS	711 County Center III, Suite B	Modesto	CA	95355	209-569-0497
Wilch lace	Ecketrom	Office of Emergency Services	2800 Meadowview Road	Sacramento	ک ک	95832	916-364-3359
Rainy	Firmon	Office of the City Attorney (CCSF)	1390 Market St. Suite 250	San Francisco	S	94102	415-554-3961
700III	Grader	PCEFA	P.O. Box 783	Mendicino	ઇ	95460	707-937-4145
Daymond	Barech	Reclamation Board	1416 Ninth Street	Sacramento	CA	95814	916-653-5434
Crost Control of the	Validhn	Regional Water Quality Control Bd.	3443 Routier Rd., Suite A	Sacramento	S	95827-3098	
2010 44	lensen	SFBAWUA	155 Bovet Road, Suite 410	San Mateo	CA	94402	650-349-3000
Transit	Rettencourt	S.IV Unified Air Pollution Control Distri	4130 Kiernnan Ave., Suite 130	Modesto	S	95356	
Pohert	Kachel	Stanislaus County Planning Dept.	1100 "H" Street	Modesto		95354	209-525-6330
Diana	lones		100 Howe Ave., Suite 100-South	Sacramento	CA	95825	916-574-1843
List I	Ramire7	Tuolumne River Preservation Trust	Fort Mason Building C	San Francisco	S	94123	415-292-3531
	Short	Turlock Irrigation District	1376 Swanson Road	Hughson	CA	95326	209-883-4374
Daid	Tion Self	Turlock Irrigation District	P.O. Box 949	Turlock	S	95881	209-883-8211
- ad-	Taylor	U.S. Fish & Wildlife Service	3310 El Camino Ave., Suite 130	Sacramento	S	95821	916-979-2117
Cary	Brooks	U.S. Fish & Wildlife Service	3310 El Camino Ave., Suite 130	Sacramento	CA	95821	916-979-2745

4/8/99

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